

****All present are expected to conduct themselves in accordance with our City's Core Values****



OFFICIAL NOTICE AND AGENDA

of a meeting of a City Board, Commission, Department, Committee, Agency, Corporation, Quasi-Municipal Corporation, or sub-unit thereof.

Meeting of the: COMMITTEE OF THE WHOLE
Date/Time: Tuesday, February 23, 2021 at 7:00 pm or immediately following the Council meeting.
Location: Council Chambers, City Hall, 407 Grant Street, Wausau
Members: Patrick Peckham, Michael Martens, Tom Kilian, Tom Neal, Jim Wadinski, Rebecca McElhaney, Lisa Rasmussen, Sarah Watson, Dawn Herbst, Lou Larson, Deb Ryan, Mayor Katie Rosenberg

AGENDA ITEMS FOR DISCUSSION (No action will be taken)

- 1 Presentation from GEI Consultants on the soil/groundwater sampling results at 1300 Cleveland Ave
- 2 Public Comment - Register to speak or submit written comment at this link: <https://forms.co.marathon.wi.us/forms/City-Council-Agenda-Item-Form>
- 3 Discussion on plan forward to determine property use and possible contamination mitigation at 1300 Cleveland Ave

Becky McElhaney
Council President

***Due to the COVID-19 pandemic, this meeting is being held in person and via teleconference. Members of the media and the public may attend in person, subject to the social distancing rules of maintaining at least 6 feet apart from other individuals, or by calling 1-408-418-9388. The Access Code is: 146 181 3078 Password: ABb7PyV2n5K**

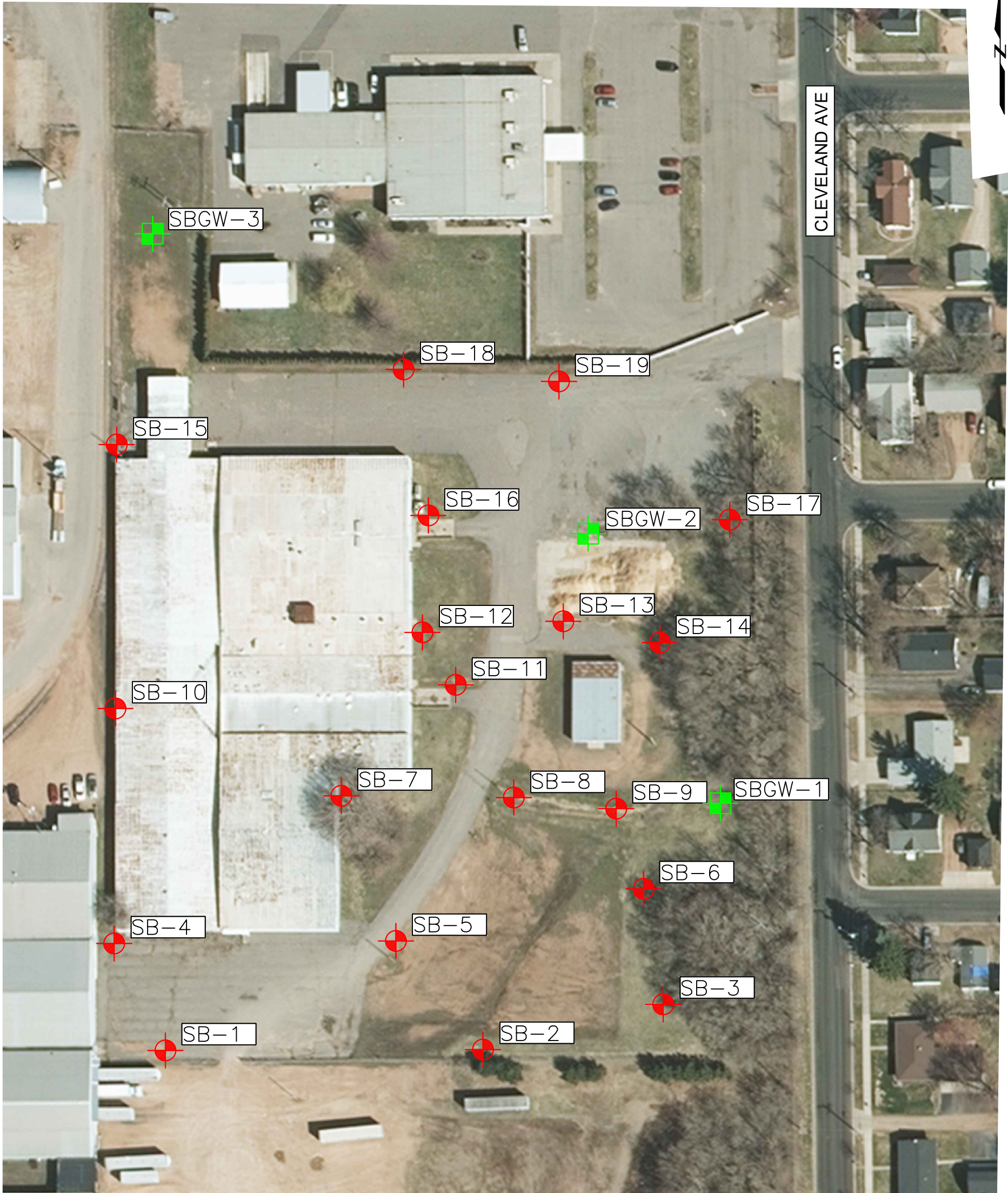
Individuals appearing in person will either be seated in the Council Chambers or an overflow room, subject to the social distancing rules. Space available will be on a first come, first served basis. All public participants' phones will be muted during the meeting. Members of the public who do not wish to appear in person may view the meeting live over the internet on the City of Wausau's YouTube Channel

<http://www.tinyurl.com/WAAMedia>, live by cable TV, Channel 981, and a video is available in its entirety and can be accessed at <https://tinyurl.com/WausauCityCouncil>. Any person wishing to offer public comment in person or in writing may register at this address: <https://forms.co.marathon.wi.us/forms/City-Council-Agenda-Item-Form>. All public comment, either by email or in person, will be limited to items on the agenda at this time. The messages related to agenda items received prior to the start of the meeting will be provided to the Council President.

This Notice was posted at City Hall and faxed to the Daily Herald newsroom on 2/05/21 @ 4:00 pm

In accordance with the requirements of Title II of the Americans with Disabilities Act (ADA), the City of Wausau will not discriminate against qualified individuals with disabilities on the basis of disability in its services, programs, or activities. If you need assistance or reasonable accommodations in participating in this meeting or event due to a disability as defined under the ADA, please call the City's ADA Coordinator at (715) 261-6620 or e-mail clerk@ci.wausau.wi.us at least 48 hours prior to the scheduled meeting or event to request an accommodation.

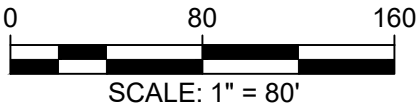
Other Distribution: Media, Council Alderpersons, Department Heads



LEGEND

- MONITORING WELL LOCATION  SBGW-2
- SOIL BORING LOCATION  SB-17

- NOTES:**
1. HORIZONTAL DATUM WISCONSIN MARATHON COUNTY COORDINATE SYSTEM.
 2. VERTICAL DATUM NAVD 88.
 3. BACKGROUND IMAGE FROM WDNR IMAGE BASEMAP SERVICE.



PHASE II SUBSURFACE ASSESSMENT
1300 CLEVELAND AVE
WAUSAU, WI

CITY OF WAUSAU
WAUSAU, WI



Project 2004400

SAMPLE LOCATION DIAGRAM

January 2021

Fig. 3

Table 1
Soil Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}				Location	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-7	SB-7	SB-8	SB-8
						Depth (ft)	4 - 8	8 - 12	0 - 4	4 - 8	0 - 4	8 - 12	0.5 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12
Name & CAS #		BTV	Non Industrial DC	Industrial DC	GW	PID (ppm)	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
						Date	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/13/20	10/13/20	10/13/20	10/13/20	10/12/20	10/12/20	10/12/20
PRIORITY POLLUTANT METALS ^{3,4} (mg/kg)																						
Antimony	7440-36-0	NE	31.3	467	0.542		< 1.3	< 0.91	< 0.87	< 0.84	< 0.89	< 0.89	< 0.84	< 0.81	< 0.88	< 1.2	< 0.85	< 1.0	< 0.83	< 0.84	4.5	< 0.77
Arsenic	7440-38-2	8*	0.677	3.0	0.584		7.0	< 1.7	2.1 J	< 1.6	< 1.6	3.1	< 1.5	< 1.5	< 1.6	< 2.3	1.9 J	< 1.9	< 1.5	< 1.5	9.3*	< 1.7
Beryllium	7440-41-7	NE	156	2,300	6.32		0.49 J	0.24 J	0.25 J	0.41 J	0.24 J	1.3	0.27 J	0.27 J	0.33 J	0.37 J	0.30 J	0.43 J	0.30 J	0.19 J	< 0.23	0.12 J
Cadmium	7440-43-9	1	71	985	0.752		0.27 J	< 0.15	0.33 J	< 0.14	0.19 J	< 0.15	< 0.14	< 0.13	0.34 J	0.40 J	0.54	< 0.17	< 0.14	< 0.14	0.87 J	< 0.13
Chromium, Total ⁵	7440-47-3	44*	100,000	100,000	360,000		55.4*	12.4	40.9	5.6	18.3	11.4	7.6	13	8.3	16.3	16.9	13.5	0.55 J	6.3	7.7	5.2
Copper	7440-50-8	35*	3,130	46,700	91.6		31.3	11.0	9.4	4.9	7.7	8.8	8.3	15.3	41.1*	26.6	10.7	5.8	3.4	7.1	75.8*	5.1
Lead	7439-92-1	52*	400	800	27		32.5	2.1 J	15.9	11.7	15	43.6	4.6	2.2	28.3	212*	25.5	36.5	6.2	1.6 J	35.9	0.87 J
Nickel	7440-02-0	31	1,550	22,500	13.06		15.1	9.0	8.3	1.6	6.1	5.5	5.2	11.5	5.9	12.9	5.0	3.4	0.77 J	6.7	10.6	4.7
Selenium	7782-49-2	NE	391	5,840	0.52		< 2.2	< 1.5	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.3	< 1.4	< 2.0	< 1.4	< 1.7	< 1.4	< 1.4	< 2.5	< 1.3
Silver	7440-22-4	NE	391	5,840	0.8491		< 0.51	< 0.35	< 0.34	< 0.33	< 0.34	< 0.34	< 0.32	< 0.31	< 0.34	< 0.48	0.36 J	< 0.40	0.33 J	< 0.32	< 0.59	< 0.30
Thallium	7440-28-0	NE	0.782	11.7	0.284		1.7 J	< 0.88	1.1 J	0.87 J	0.87 J	1.3 J	1.0 J	< 0.78	< 0.85	< 1.2	1.0 J	1.6 J	1.4 J	< 0.82	< 3.0	< 0.75
Zinc	7440-66-6	NE	23,500	100,000	NE		87.1	16.6	63.7	32.6	61.4	118	37.7	18.2	68.7	168	61.2	60.4	38.9	9.6	349	7.9
Mercury	7439-97-6	NE	3.13	3.13	0.208		< 0.017	< 0.011	0.089	< 0.010	0.055	< 0.011	< 0.010	< 0.010	0.038 J	0.024 J	0.26	< 0.013	< 0.010	< 0.011	0.024 J	< 0.011
Hexavalent Chromium	18540-29-9	NE	0.301	6.36	NE		< 0.888	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEMI-VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																						
Anthracene	120-12-7	NE	1.79E+07	1.00E+08	196,949		< 222	< 31.0	< 30.4	< 30.3	< 30.1	< 31.1	< 141	< 27.4	387 J	< 45.1	< 605	< 744	< 143	< 30.1	< 516	< 28.1
Benzo(a)anthracene	56-55-3	NE	1,140	20,800	NE		< 215	47.7 J	74.4 J	< 29.3	< 29.1	< 30.1	162 J	< 26.6	1080	< 43.7	< 586	< 721	< 139	< 29.2	< 500	< 27.2
Benzo(a)pyrene	50-32-8	NE	115	2,110	470		< 209	85.2 J	118	< 28.5	39.7 J	< 29.3	177 J	28.1 J	907	< 42.4	< 570	< 701	< 135	< 28.3	587 J	< 26.5
Benzo(b)fluoranthene	205-99-2	NE	1,150	21,100	478.1		< 238	85.2 J	122	< 32.5	< 32.3	< 33.4	226 J	< 29.5	1430	< 48.4	< 650	< 800	< 154	< 32.4	< 554	< 30.2
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	NE		< 363	89.8 J	89.3 J	< 49.5	62.3 J	< 50.9	< 231	< 44.9	791	< 73.8	< 990	< 1220	< 235	< 49.3	< 844	< 46.0
Benzo(k)fluoranthene	207-08-9	NE	11,500	211,000	NE		< 332	71.9 J	111 J	< 45.3	< 45.1	< 46.6	< 211	< 41.1	554 J	< 67.5	< 906	< 1110	< 215	< 45.1	< 773	< 42.1
Chrysene	218-01-9	NE	115,000	2.11E+07	144.2		213 J	58.2 J	92.7 J	< 28.3	< 28.1	< 29.1	197 J	< 25.6	1160	< 42.2	< 566	< 696	< 134	< 28.2	< 482	< 26.3
Dibenzo(a,h)anthracene	53-70-3	NE	115	2.11E+03	NE		< 377	< 52.7	< 51.6	< 51.4	< 51.1	< 52.9	< 240	< 46.6	< 201	< 76.6	< 1030	< 1260	< 244	< 51.2	< 876	< 47.8
Fluoranthene	206-44-0	NE	2.39E+06	3.01E+07	88,877.8		257 J	63.8 J	145	< 26.8	32.4 J	< 27.5	297 J	< 24.3	3530	< 39.9	< 536	< 659	< 127	< 26.7	< 457	< 24.9
Fluorene	86-73-7	NE	2.39E+06	3.01E+07	14,829.9		< 162	< 22.7	< 22.2	< 22.1	< 22.0	< 22.7	< 103	< 20.0	< 86.7	< 33.0	< 442	< 544	< 105	< 22.0	< 377	< 20.6
Indeno(1,2,3-cd)pyrene	193-39-5	NE	1,150	21,100	NE		< 300	76.4 J	53.1 J	< 41.0	< 40.7	< 42.1	< 191	< 37.1	862	< 61.0	< 819	< 1010	< 194	< 40.8	732 J	< 38.1
Naphthalene	91-20-3	NE	5,520	24,100	658.2		< 485	< 67.8	< 66.4	< 66.2	< 65.8	< 68.0	< 309	< 60.0	< 259	< 98.6	< 1320	< 1630	< 314	< 65.9	< 1130	< 61.5
Phenanthrene	85-01-8	NE	NE	NE	NE		< 178	30.0 J	41.8 J	< 24.3	< 24.1	31.7	< 113	< 22.0	1590	< 36.2	< 486	< 597	< 115	< 24.2	< 414	< 22.6
Pyrene	129-00-0	NE	1.79E+06	2.26E+07	54,545.5		< 308	60.7 J	144	< 42.0	45.5 J	< 43.1	256 J	< 38.0	2290	< 62.5	< 839	< 1030	< 199	< 41.8	< 715	< 39.0
PER- and POLYFLUOROALKYL SUBSTANCES ³ (ug/kg)																						
PFOS	1763-23-1	NE	1,260	16,400	NE		---	---	0.22 J	---	---	---	---	< 0.17	---	---	---	---	---	---	1.0 J	---
VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																						
No VOCs Identified Above Method Detection Limit (MDL)							< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL

Notes
(mg/kg) = milligrams per kilogram (µg/kg) = micrograms per kilogram --- = not analyzed ppm = parts per million DC = Direct Contact GW = Groundwater
< = not detected above method detection limit J = concentration between detection limit and reporting limit BTV = Background Threshold Value NE = Not Established
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level PFOS = Perfluorooctanesulfonic acid
² RCLs & BTV are based on USEPA methodology; presented in WDNR Guidance, Soil RCL Determinations using USEPA Regional Screening Level Web Calculator (RR-890) and summarized in the WDNR's R&R Program RCE Spreadsheet (December 2018).
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes
⁴ Per WDNR guidance, metal concentrations below the BTV are considered to be representative of background conditions in Wisconsin soils and therefore, do not need to be identified as a regulatory standard exceedance even if above an RCL.
Exceeds the NR 720 Non-Industrial Direct Contact RCL: 100 Exceeds the NR 720 Industrial Direct Contact RCL: 100 Exceeds the NR 720 Groundwater Pathway RCL: 100 Exceeds the BTV: 100*

Table 1
Soil Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}				Location	SB-9	SB-9	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16		
						Depth (ft)	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0.5 - 4	8 - 12	0 - 4	4 - 8	0 - 4	8 - 12	0 - 4	8 - 12		
Name & CAS #		BTV	Non Industrial DC	Industrial DC	GW	PID (ppm)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
						Date	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20
PRIORITY POLLUTANT METALS ^{3,4} (mg/kg)																								
Antimony	7440-36-0	NE	31.3	467	0.542		1.4	J	< 0.83	< 0.81	< 0.81	< 0.80	< 0.86	< 0.86	< 0.78	< 0.87	< 0.76	< 1.1	4.5	< 0.96	< 0.79	< 0.88	< 0.82	
Arsenic	7440-38-2	8	0.677	3.0	0.584		< 1.9		< 1.5	< 1.5	< 1.5	< 1.5	< 1.6	< 1.6	< 1.4	< 1.6	< 1.4	< 2.1	3.2	J	3.0	J	< 1.5	
Beryllium	7440-41-7	NE	156	2,300	6.32		0.51		0.22	J	0.24	J	0.16	J	0.24	J	0.67	0.67	0.18	J	0.42	J	0.18	J
Cadmium	7440-43-9	1*	71	985	0.752		1.0		< 0.14	0.78	< 0.13	< 0.13	< 0.14	< 0.14	< 0.13	< 0.15	< 0.13	0.3	J	1.1*	0.51	J	< 0.13	
Chromium, Total ⁵	7440-47-3	44	100,000	100,000	360,000		14.4		6.6	6.7	7.3	8.5	8.4	8.4	7.2	7.8	6.7	7.8	12.5	13.1	11.7	7.7	8.0	
Copper	7440-50-8	35*	3,130	46,700	91.6		61.3*		8.4	11.5	9.3	10.9	5.3	5.3	7.1	35.9*	8.9	12.3	54.8*	27.8	13.4	7.1	13.1	
Lead	7439-92-1	52*	400	800	27		70.3*		5.4	12.9	1.4	J	2.3	9.6	9.6	1.3	J	30.4	2	20.2	209*	28.2	4.8	
Nickel	7440-02-0	31	1,550	22,500	13.06		13.9		6.9	6.0	6.7	9.0	5.5	5.5	6.7	14.9	6.4	4.6	10.2	14.4	11.1	6.8	7.9	
Selenium	7782-49-2	NE	391	5,840	0.52		2.5	J	< 1.4	< 1.3	< 1.3	< 1.3	< 1.4	< 1.4	< 1.3	< 1.4	< 1.3	< 1.9	< 2.0	< 1.6	< 1.3	< 1.4	< 1.3	
Silver	7440-22-4	NE	391	5,840	0.8491		< 0.39		< 0.32	< 0.31	< 0.31	< 0.31	< 0.33	< 0.33	< 0.3	< 0.34	< 0.29	< 0.4	< 0.47	< 0.37	< 0.30	< 0.34	< 0.31	
Thallium	7440-28-0	NE	0.782	11.7	0.284		1.2	J	0.80	< 0.79	0.84	J	< 0.78	1.5	J	1.5	J	0.97	J	< 0.85	< 0.74	1.1	J	
Zinc	7440-66-6	NE	23,500	100,000	NE		200		20.2	223	39.5	14.7	50.2	50.2	9.4	52.7	12.1	60.9	273	172	34.3	39.0	24.4	
Mercury	7439-97-6	NE	3.13	3.13	0.208		0.070		< 0.011	< 0.010	< 0.009	< 0.010	< 0.010	< 0.010	< 0.009	0.012	J	< 0.010	0.034	J	0.16	0.031	J	
Hexavalent Chromium	18540-29-9	NE	0.301	6.36	NE		---		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEMI-VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																								
Anthracene	120-12-7	NE	1.79E+07	1.00E+08	196,949		< 355		< 144	< 279	< 137	< 28.9	< 27.6	< 233	< 27.4	< 291	< 112	556	J	1500	J	< 349	< 27.9	
Benzo(a)anthracene	56-55-3	NE	1,140	20,800	NE		353	J	< 139	691	J	< 133	< 28.0	< 26.7	< 225	< 26.5	< 282	< 108	2390	6550	< 338	< 27.1	< 143	
Benzo(a)pyrene	50-32-8	NE	115	2,110	470		484	J	< 135	755	J	< 129	< 27.2	< 26.0	< 219	< 25.8	< 274	< 105	2630	9160	< 329	< 26.3	< 139	
Benzo(b)fluoranthene	205-99-2	NE	1,150	21,100	478.1		585	J	< 154	1080	< 147	< 31.1	< 29.7	< 250	< 29.4	< 313	< 120	3550	12100	< 375	< 30.0	< 159	< 30.6	
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	NE		626	J	< 235	653	J	< 224	< 47.4	< 45.2	< 381	< 44.8	< 477	< 183	2310	9320	< 571	< 45.7	< 242	
Benzo(k)fluoranthene	207-08-9	NE	11,500	211,000	NE		< 531		< 215	470	J	< 205	< 43.4	< 41.3	< 349	< 41.0	< 436	< 167	1370	4700	< 523	< 41.9	< 221	
Chrysene	218-01-9	NE	115,000	2.11E+07	144.2		451	J	< 134	949	< 128	< 27.1	< 25.8	< 218	< 25.6	< 272	< 105	2470	9540	< 327	< 26.1	< 138	< 26.6	
Dibenzo(a,h)anthracene	53-70-3	NE	115	2,110	NE		< 603		< 244	< 474	< 232	< 49.2	< 46.9	< 395	< 46.5	< 495	< 190	335	J	< 1440	< 593	< 47.5	< 251	
Fluoranthene	206-44-0	NE	2.39E+06	3.01E+07	88,877.8		820	J	< 127	3110	< 121	< 25.6	< 24.4	< 206	< 24.2	277	J	< 98.9	5420	21600	< 309	< 24.7	< 131	
Fluorene	86-73-7	NE	2.39E+06	3.01E+07	14,829.9		< 259		< 105	328	J	< 100	< 21.2	< 20.2	< 170	< 20.0	< 213	< 81.7	< 142	658	J	< 255	< 20.4	
Indeno(1,2,3-cd)pyrene	193-39-5	NE	1,150	21,100	NE		644	J	< 194	722	J	< 185	< 39.2	< 37.4	< 315	< 37.0	< 394	< 151	2360	9140	< 473	< 37.8	< 200	
Naphthalene	91-20-3	NE	5,520	24,100	658.2		< 776		< 314	655	J	< 299	< 63.3	< 60.4	< 509	< 59.9	< 637	< 244	< 424	< 1850	< 764	< 61.1	< 323	
Phenanthrene	85-01-8	NE	NE	NE	NE		442	J	< 115	2990	< 110	< 23.2	< 22.2	< 187	< 22.0	< 234	< 89.7	1780	13300	< 280	< 22.4	< 119	< 22.9	
Pyrene	129-00-0	NE	1.79E+06	2.26E+07	54,545.5		639	J	< 199	2000	< 190	< 40.1	< 38.3	< 323	< 37.9	< 404	< 155	4030	16200	< 484	< 38.8	< 205	< 39.5	
PER- and POLYFLUOROALKYL SUBSTANCES ³ (ug/kg)																								
PFOS	1763-23-1	NE	1,260	16,400	NE		---		---	---	---	---	---	---	---	---	---	1.0	J	---	---	< 0.23	---	---
VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																								
No VOCs Identified Above Method Detection Limit (MDL)							< MDL		< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	

Notes
(mg/kg) = milligrams per kilogram (µg/kg) = micrograms per kilogram --- = not analyzed ppm = parts per million DC = Direct Contact GW = Groundwater
< = not detected above method detection limit J = concentration between detection limit and reporting limit BTV = Background Threshold Value NE = Not Established
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level PFOS = Perfluorooctanesulfonic acid
² RCLs & BTV are based on USEPA methodology; presented in WDNR Guidance, Soil RCL Determinations using USEPA Regional Screening Level Web Calculator (RR-890) and summarized in the WDNR's R&R Program RCE Spreadsheet (December 2018).
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes
⁴ Per WDNR guidance, metal concentrations below the BTV are considered to be representative of background conditions in Wisconsin soils and therefore, do not need to be identified as a regulatory standard exceedance even if above an RCL.
Exceeds the NR 720 Non-Industrial Direct Contact RCL: 100 Exceeds the NR 720 Industrial Direct Contact RCL: 100 Exceeds the NR 720 Groundwater Pathway RCL: 100 Exceeds the BTV: 100*

Table 1
Soil Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}				Location	SB-17	SB-17	SB-18	SB-18	SB-19	SB-19	SBGW-1	SBGW-1	SBGW-2	SBGW-2	SBGW-3	SBGW-3											
						Depth (ft)	0 - 4	8 - 12	0.5 - 4	10 - 12	0.5 - 4	8 - 12	3 - 7	11 - 15	0.5 - 4	12 - 16	0 - 4	8 - 12											
Name & CAS #		BTV	Non Industrial DC	Industrial DC	GW	PID (ppm)	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1											
						Date	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20											
PRIORITY POLLUTANT METALS ^{3,4} (mg/kg)																													
Antimony	7440-36-0	NE	31.3	467	0.542		1.2	J	3.7	< 0.92	< 0.82	< 0.80	< 0.78	< 0.96	< 0.79	< 0.94	< 0.83	< 4.7	< 0.83										
Arsenic	7440-38-2	8	0.677	3.0	0.584		< 1.5		< 2.5	< 1.7	< 1.5	< 1.5	< 1.4	< 1.8	< 1.4	< 1.7	< 1.5	< 8.7	< 1.5										
Beryllium	7440-41-7	NE	156	2,300	6.32		0.13	J	< 0.20	0.37	J	0.15	J	0.27	J	0.17	J	0.39	J	0.38	J	0.46	J	0.25	J	0.86	J	0.33	J
Cadmium	7440-43-9	1	71	985	0.752		0.21	J	0.25	J	0.15	< 0.14	0.13	< 0.13	0.46	J	< 0.13	< 0.16	< 0.14	< 0.79	< 0.14								
Chromium, Total ⁵	7440-47-3	44	100,000	100,000	360,000		8.1		3.2	J	9.7	4.3	9.2	10.2	15.0	6.1	13.7	15.4	8.8	19.3									
Copper	7440-50-8	35*	3,130	46,700	91.6		16.8		54.6*		7.6	7.0	10.3	8.9	15.1	2.2	12.4	21.2	6.4	23.0									
Lead	7439-92-1	52*	400	800	27		34.5		65.1*		20.2	0.71	J	4.5	1.5	J	20.7	12.4	9.0	2.7	15.1	3.2							
Nickel	7440-02-0	31	1,550	22,500	13.06		8.5		7.5		4.7	4.5	8.3	7.6	10.8	1.9	14.4	10.7	5.6	J	24.2								
Selenium	7782-49-2	NE	391	5,840	0.52		< 1.3		< 2.2	< 1.5	< 1.3	< 1.3	< 1.3	< 1.6	< 1.3	< 1.6	< 1.4	< 7.7	< 1.4										
Silver	7440-22-4	NE	391	5,840	0.8491		< 0.31		< 0.52	< 0.35	< 0.31	< 0.31	< 0.30	< 0.37	< 0.30	< 0.36	< 0.32	< 1.8	< 0.32										
Thallium	7440-28-0	NE	0.782	11.7	0.284		< 0.78		< 2.6	1.1	J	0.9	J	< 0.78	< 0.76	< 0.93	1.4	J	< 0.92	< 0.81	< 4.6	< 0.81							
Zinc	7440-66-6	NE	23,500	100,000	NE		44.7		84.9	49.1	7.3	25.0	13.1	76.6	39.8	34.5	13.5	78.5	24.0										
Mercury	7439-97-6	NE	3.13	3.13	0.208		0.028	J	< 0.016	0.018	J	0.010	< 0.010	< 0.009	0.050	< 0.010	< 0.011	< 0.009	< 0.011	< 0.010									
Hexavalent Chromium	18540-29-9	NE	0.301	6.36	NE		---		---	---	---	---	---	---	---	---	---	---	---	---									
SEMI-VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																													
Anthracene	120-12-7	NE	1.79E+07	1.00E+08	196,949		< 28.0		< 183	< 30.8	< 28.2	< 28.0	< 27.3	< 337	< 27.9	< 126	< 111	< 32.3	< 28.7										
Benzo(a)anthracene	56-55-3	NE	1,140	20,800	NE		< 27.1		< 178	79.6	J	< 27.4	< 27.2	< 26.5	< 326	< 27.0	< 122	< 108	< 31.3	< 27.8									
Benzo(a)pyrene	50-32-8	NE	115	2,110	470		< 26.4		< 173	91.8	J	< 26.6	< 26.4	< 25.7	< 317	< 26.2	< 119	< 105	< 30.4	< 27.0									
Benzo(b)fluoranthene	205-99-2	NE	1,150	21,100	478.1		< 30.1		< 197	119	< 30.4	< 30.1	< 29.4	< 362	< 30.0	< 136	< 119	< 34.8	< 30.8										
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	NE		< 45.8		< 300	105	J	< 46.2	50.9	J	< 44.7	< 551	< 45.6	< 207	< 182	< 52.9	< 46.9								
Benzo(k)fluoranthene	207-08-9	NE	11,500	211,000	NE		< 41.9		< 275	47.9	J	< 42.3	< 42.0	< 40.9	< 504	< 41.8	< 189	< 166	< 48.5	< 42.9									
Chrysene	218-01-9	NE	1.15E+05	2.11E+07	144.2		< 26.2		< 172	108	< 26.4	< 26.2	< 25.6	< 315	< 26.1	< 118	< 104	< 30.3	< 26.8										
Dibenzo(a,h)anthracene	53-70-3	NE	1.15E+02	2.11E+03	NE		< 47.6		< 312	< 52.3	< 48.0	< 47.6	< 46.4	< 572	< 47.4	< 215	< 189	< 55.0	< 48.7										
Fluoranthene	206-44-0	NE	2.39E+06	3.01E+07	88,877.8		40.5	J	< 162	198	< 25.0	< 24.8	< 24.2	< 298	< 24.7	123	J	< 98.4	< 28.6	< 25.4									
Fluorene	86-73-7	NE	2.39E+06	3.01E+07	14,829.9		< 20.5		< 134	< 22.5	< 20.7	< 20.5	< 20.0	< 246	< 20.4	< 92.4	< 81.3	< 23.7	< 21.0										
Indeno(1,2,3-cd)pyrene	193-39-5	NE	1,150	21,100	NE		< 37.9		< 248	70.9	J	< 38.2	< 37.9	< 37.0	< 456	< 37.7	< 171.0	< 150	< 43.8	< 38.8									
Naphthalene	91-20-3	NE	5,520	24,100	658.2		< 61.3		< 401	< 67.3	< 61.8	< 61.3	< 59.8	< 736	< 61.0	< 276	< 243	< 70.8	< 62.7										
Phenanthrene	85-01-8	NE	NE	NE	NE		32.5	J	< 147	111	< 22.7	< 22.5	< 21.9	< 270	< 22.4	< 101	< 89.2	< 26.0	< 23.0										
Pyrene	129-00-0	NE	1.79E+06	2.26E+07	54,545.5		< 38.8		< 254	171	< 39.2	< 38.9	< 37.9	< 467	< 38.7	< 175	< 154	< 44.9	< 39.7										
PER- and POLYFLUOROALKYL SUBSTANCES ³ (ug/kg)																													
PFOS	1763-23-1	NE	1,260	16,400	NE		---		---	---	---	---	0.2	J	---	---	---	---	---	---									
VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																													
No VOCs Identified Above Method Detection Limit (MDL)							< MDL		< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL										

Notes
(mg/kg) = milligrams per kilogram (µg/kg) = micrograms per kilogram --- = not analyzed ppm = parts per million DC = Direct Contact GW = Groundwater
< = not detected above method detection limit J = concentration between detection limit and reporting limit BTV = Background Threshold Value NE = Not Established
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level PFOS = Perfluorooctanesulfonic acid
² RCLs & BTV are based on USEPA methodology; presented in WDNR Guidance, Soil RCL Determinations using USEPA Regional Screening Level Web Calculator (RR-890) and summarized in the WDNR's R&R Program RCE Spreadsheet (December 2018).
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes
⁴ Per WDNR guidance, metal concentrations below the BTV are considered to be representative of background conditions in Wisconsin soils and therefore, do not need to be identified as a regulatory standard exceedance even if above an RCL.
Exceeds the NR 720 Non-Industrial Direct Contact RCL: 100 Exceeds the NR 720 Industrial Direct Contact RCL: 100 Exceeds the NR 720 Groundwater Pathway RCL: 100 Exceeds the BTV: 100*

Table 2
Groundwater Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}		Location	SBGW-1	SBGW-2	SBGW-3
Name & CAS #		NR 140 PAL	NR 140 ES	Depth (ft)	~ 25 - 27	~ 29 - 31	~ 32 - 33
				Clarity	C	C	ST - MT
				Date	10/12/20	10/12/20	10/12/20
PRIORITY POLLUTANT METALS³ (µg/L)							
Arsenic	7440-38-2	1	10		0.45 J	< 0.28	< 0.28
Copper	7440-50-8	1,300	130		6.8	< 1.9	< 1.9
Nickel	7440-02-0	100	20		1.0	5.7	9.7
SEMI-VOLATILE ORGANIC COMPOUNDS³ (µg/L)							
Anthracene	120-12-7	600	3,000		0.082	0.090	0.26
Benzo(a)anthracene	56-55-3	NE	NE		0.011 J	< 0.0071	0.010 J
Benzo(b)fluoranthene	205-99-2	0.02	0.2		< 0.0052	< 0.0054	0.0054 J
Chrysene	218-01-9	0.02	0.2		0.027 J	0.020 J	0.052 J
Fluoranthene	206-44-0	80	400		0.010 J	0.013 J	0.017 J
Fluorene	86-73-7	80	400		< 0.0072	< 0.0074	0.030 J
Phenanthrene	85-01-8	NE	NE		0.095	0.072	0.044 J
Pyrene	129-00-0	50	250		0.014 J	0.018 J	0.020 J
VOLATILE ORGANIC COMPOUNDS³ (µg/L)							
No VOCs Identified Above Method Detection Limit (MDL)					< MDL	< MDL	< MDL

Notes

(µg/L) = micrograms per liter < = not detected above method detection limit

J = concentration between detection limit and reporting limit

NE = Not Established

-- = not analyzed

C = Clear

¹ NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

ST = Slightly Turbid

² NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

MT = Moderately Turbid

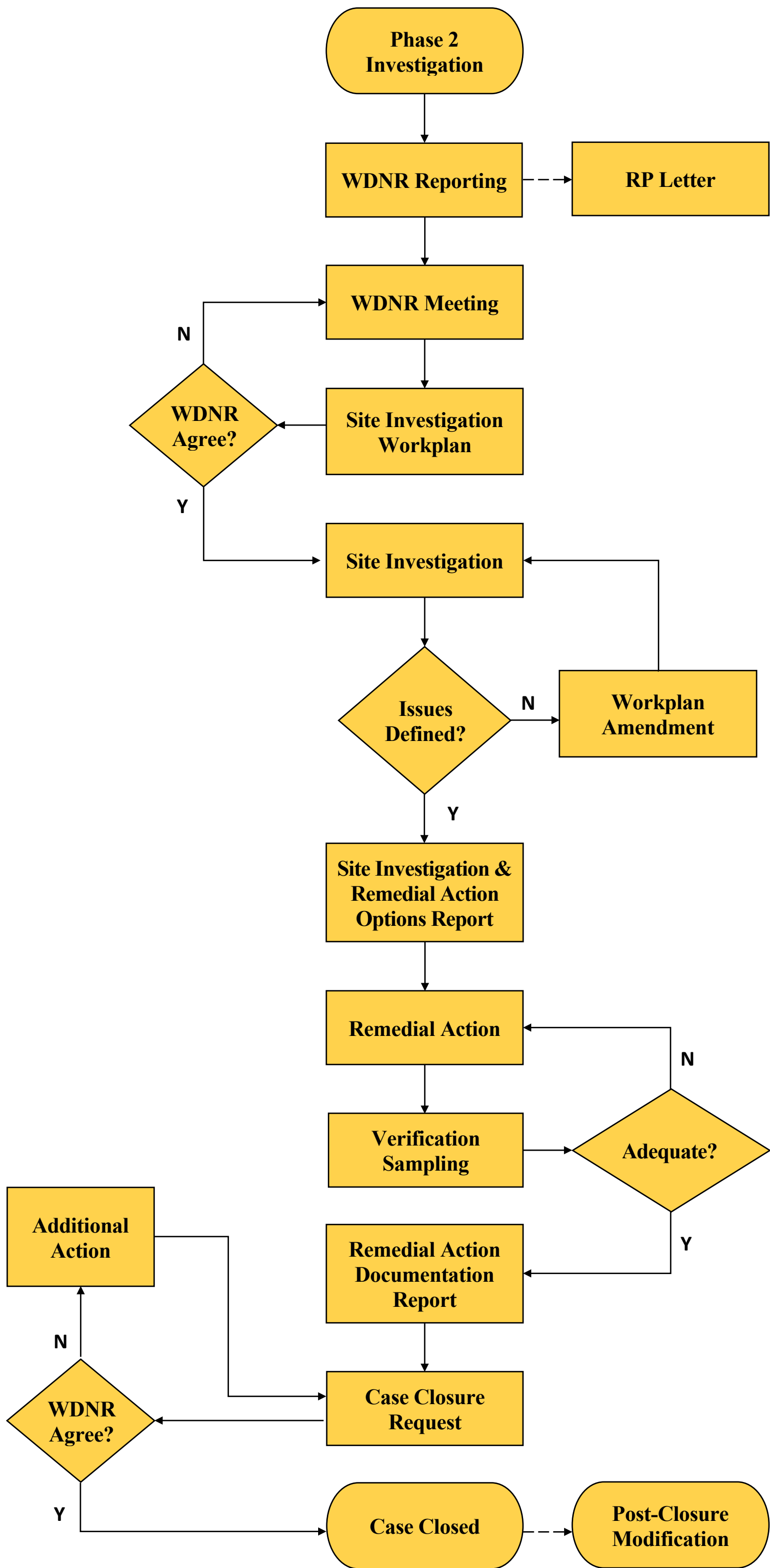
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

Exceeds NR 140 PAL: 100

Exceeds NR 140 ES: 100

Key Takeaways

- Phase 2 approach scope developed by the City was very thorough – more areas of the site assessed and more analytes than typical
- Contaminants of concern (COCs) commonly associated with wood finishing facilities were not detected at this site:
 - Pentachlorophenol (PCP) – commonly associated with wood preservation
 - Volatile Organic Compounds (VOCs) – commonly associated with fuels, solvents, adhesives, stains, and other wood finishing products
- COCs identified at this site are common at most urban brownfield locations
 - Metals – naturally occurring in the environment (geology) but also can be related to human activity
 - Not unusual that thallium was detected – not commonly assessed and not included in the list of 14 metals used to classify soil as exempt or “clean” per WDNR guidance (Pub. RR-103)
 - Polycyclic Aromatic Hydrocarbons (PAHs) – fossil fuel residues (coal, gasoline, asphalt, forest fires, volcanic eruptions)
- Concentrations of COCs detected at this site are also common at most urban brownfield locations
 - Metals – naturally occurring in the environment (geology) but also can be related to human activity
 - Polycyclic Aromatic Hydrocarbons (PAHs) – fossil fuel residues (coal, gasoline, asphalt, forest fires, volcanic eruptions)
- No known correlation between thallium detections and historical industrial processes on the site:
 - Thallium cited as being most commonly associated with the manufacturing of electronics, certain types of thermometers, optical lenses, and some imitation precious jewels; also historically used as a rodenticide; also can be associated with smelters and coal-burning facilities
 - More assessment necessary, but we anticipate thallium is naturally occurring/background condition or associated with historical fill
 - Thallium is a rare metal but is prevalent in mineral ores within volcanic bedrock
 - Most commonly associated with sulfide deposits – WI has significant sulfide deposits in the northern part of the state within Precambrian volcanic bedrock, including in Marathon County
 - Also found in “rotten granite” quarries per WI Geological and Natural History Survey (WGNHS)
 - Detections at the site (up to 1.7 parts per million) would be akin to bedrock containing 0.00017% thallium, which is conceivable



Opinion of Possible Costs

- Anticipate multiple rounds of site investigation field efforts and work plan amendments; results of initial round of site investigation may have a significant impact on cost of remedy/closure.
- Cost of remedy may be significantly impacted by:
 - Results of site investigation
 - End use (industrial versus non-industrial) of site and extent planned for redevelopment
 - Sequencing of remedial action with respect to site redevelopment (before or concurrent), especially for non-industrial end use
 - Ability for re-use of low-level impacted material onsite during redevelopment (berms, beneath pavement, etc.)
- Costs below assume remedy and case closure by City before redevelopment; with remedy only required for direct contact (i.e., no action required for groundwater protection); most cost-effective and sustainable approach is to complete remedial action concurrent with site redevelopment.
- Costs do not include post-closure activities (e.g., soil management) during redevelopment.
- Optimistic costs for industrial end use assume up to 0.075 acre (~3,300 ft²) of remedial excavation to a depth of 12 inches followed by installation of 18 inches of clean soil to mitigate direct-contact pathway (would result in grade change in small portion of site by 6 inches).
- Optimistic costs for non-industrial end use assume up to 0.75 acre (~33,000 ft² or approximately 10% of site) of remedial excavation to a depth of 12 inches followed by installation of 18 inches of clean soil to mitigate direct-contact pathway for PAHs only.
- Pessimistic costs are not maximum potential costs.

Activity	Industrial End Use			Non-Industrial End Use		
	Optimistic	More Probable	Pessimistic	Optimistic	More Probable	Pessimistic
Site Investigation	\$30K – \$40K	\$40K – \$60K	\$60K – \$80K	\$35K – \$45K	\$45K – \$70K	\$70K – \$100K
Remedy/Case Closure	\$20K – \$30K	\$30K – \$40K	\$40K – \$70K	\$105K – \$155K	\$155K – \$230K	\$230K – \$425K
Total	\$50K – \$70K	\$70K – \$100K	\$100K – \$150K	\$140K – \$200K	\$200K – \$300K	\$300K – \$525K



Planning, Community and Economic Development

TO: Alderpersons – Wausau Common Council
FROM: Brad Lenz, AICP
City Planner and Interim Development Director
DATE: February 23, 2021
SUBJECT: 1300 Cleveland Avenue - Zoning

This memo briefly summarizes the zoning of the property at 1300 Cleveland Avenue. The property is currently zoned Medium Industrial (MI). This zoning district was established in 2019 when the city undertook a citywide zoning map amendment as part of the adoption of a new zoning code (i.e., Title 23 of the Wausau Municipal Code). The zoning code and map both took effect on January 1, 2020.

The process to update both the zoning code and map began in 2017 with the help of an outside consultant. The adoption of the zoning map essentially changed the zoning of every parcel in the city, since new names were established for the districts. This was done in part to avoid confusion between the old and the new code. Also, additional zoning districts were incorporated to allow for more stratification between districts. Although the old and new districts did not line up exactly, the intent was to transpose the old zoning districts onto the new map, aligning the existing zoning with a comparable new district.

The process to migrate to the new zoning code and map started in mid-2017 and lasted until the end of 2019. A new 400-page code was written and the new zoning map was reviewed by the consultants and city staff. The city's Plan Commission reviewed the progress at multiple points and the public was invited to attend public meetings on the topic. Maps had been displayed for several months in the lobby of City Hall and on the city's website for the public to view.

During this process, the City continued to entertain zoning map amendments for individual properties. One such amendment was for 1300 Cleveland Ave. In the fall of 2018, or roughly midway through the citywide rezoning process, a zoning map amendment (under the old code) was approved for 1300 Cleveland Ave. to take it from M2 (Heavy Industrial) to R4 (Multi-Family Residential). This amendment was in response to a potential multi-family housing project for the site at the time.

Ultimately, the housing project did not materialize, and instead of the 1300 Cleveland Ave. property taking on a new residential zoning district, it had been mapped using its historical zoning district, which was industrial. This was a mapping error that was not discovered until after the citywide map had been adopted. However, being that the City owns the property, the zoning district is less consequential in terms of future uses of the property. The City may rezone any property, especially that which it owns. Generally, rezoning are sought with a specific project in mind. Rezoning of any property would go through the city's Plan Commission with final approval from the Common Council.



TO: Alderpersons – Wausau City Council

FROM: Eric Lindman, P.E.
Director of Public Works & Utilities

DATE: February 23, 2021

SUBJECT: 1300 Cleveland Ave - Phase II Environmental Assessment

The City contracted with an environmental Consultant, GEI Consultants (GEI), to complete a Phase II Environmental Assessment of the above mentioned property. The soil and groundwater samples were taken and the results of those samples have been evaluated and compiled in the attached Phase 2 Subsurface Assessment completed by GEI. Also included is the Notification for Hazardous Substance Discharge that was submitted to the WDNR along with the confirmation of submission.

The attached documents summarize and provide conclusions to the sample data and document soil exceedances of the Residual Contaminant Level (RCL) of WI Regulatory Standards (WI Administrative Code Ch NR 720).

City staff, GEI and the WDNR are working to schedule a meeting to discuss the results of the report and gather information from the WDNR in order for GEI to complete the Site Investigation Workplan in accordance with WI Administrative Code NR 716. Any updates from the WDNR before the meeting will be provided at the meeting by GEI during their presentation.

Attachments: 1. Phase 2 Subsurface Assessment
 2. Notification of Hazardous Substance Discharge w/ submission confirmation



Consulting
Engineers and
Scientists

Phase 2 Subsurface Assessment

1300 Cleveland Avenue
City of Wausau, Marathon County, Wisconsin

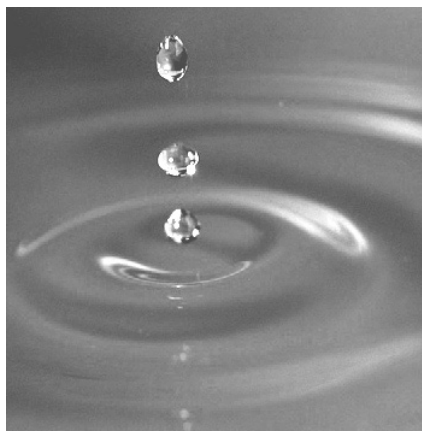
Submitted to:

City of Wausau – Engineering
407 Grant Street
Wausau, Wisconsin 54403

Submitted by:

GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, Wisconsin 54311
mdebraske@geiconsultants.com
920.455.8200 fax: 847.984.3532

January 22, 2021 (Revised February 3, 2021)
Project 2004400



Consulting January 22, 2021 (Revised February 3, 2021)
Engineers and
Scientists Project 2004400

Mr. Eric Lindman
City of Wausau – Engineering
407 Grant Street
Wausau, Wisconsin 54403

**Re: Phase II Subsurface Assessment Report
1300 Cleveland Avenue
Wausau, Wisconsin**

Dear Eric,

GEI Consultants, Inc. (GEI) is pleased to provide the results of the Phase II Subsurface Assessment completed at your request for the site at 1300 Cleveland Avenue in the City of Wausau, Marathon County, Wisconsin. As indicated herein, based on concentrations of organic and inorganic analytes detected in soil and groundwater samples collected at the site, it is our interpretation that as the owner of the site, the City has an obligation to report these results to the Wisconsin Department of Natural Resources (WDNR) in accordance with Wisconsin Statute §292.11(2) and Wisconsin Administrative Code §NR 706.05. Upon notification, we anticipate the WDNR will open a regulatory case and require additional assessment and/or remedial action to obtain case closure.

The original report was revised to identify additional regulatory standard exceedances of organic analytes at SB-2 (benzo[a]pyrene), SB-9 (benzo[b]fluoranthene), and SB-10 (benzo[b]fluoranthene).

We thank you for the opportunity to provide these services. Please contact us with any questions or for further discussion.

Sincerely,

GEI CONSULTANTS, INC.



Michael L. DeBraske, P.E.
Senior Project Engineer



Roger A. Miller, P.G.
Senior Hydrogeologist

Copy: Mr. Kevin Fabel
City of Wausau

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Appendices

- A. Soil Boring Logs
- B. Photographic Log
- C. Laboratory Analytical Reports

1. Introduction

1.1 Scope and Application

GEI Consultants, Inc. (GEI) was retained by the City of Wausau (City) to complete a Phase II Subsurface Assessment (Phase II) of a property located at 1300 Cleveland Avenue in the City of Wausau, Marathon County, Wisconsin (the “site”). The objective of the Phase II was to evaluate soil and groundwater quality on the site so that environmental conditions can be considered as part of a comprehensive site redevelopment plan.

1.2 Site Description

The site is an approximately 6.8-acre portion of Tax Parcel No. 291-2907-354-0965, a tax parcel which is identified by Marathon County as being comprised of 6.915 acres of land partly in the southwest quarter of the southeast quarter of Section 35, Township 29 North and Range 7 West. The parcel is located east of Cleveland Avenue and south of West Thomas Street and is identified by Marathon County as having a legal description of: *Parcel 2 of CSM Volume 29, Page 114 (#7651) and Parcel 3 of CSM Volume 21, Page 134 (#5816) (EX ROW @ DOC #1779786)*. The location of the site is presented on a Site Location Map included as Figure 1.

The site is currently owned by the City and zoned as Medium Industrial (MI). Adjoining properties to the south and west are also zoned MI, while the adjoining property to the north is zoned Urban Mixed Use (UMU) and adjoining properties to the east (across Cleveland Avenue) are largely zoned Two-Flat Residential (TF-10). One property to the east, in the northeast quadrant of the Cleveland Avenue and Adrian Street intersection is currently zoned Multi-Family Residential (MRL-8). The portion of the City’s zoning map that includes the site location and nearby properties is presented on a Site Zoning Map included as Figure 2.

The site is currently developed with an approximately 2,000-square-foot, single-story, steel-framed storage building on a concrete slab foundation that is being leased by a sewer and water utility contractor, a concrete slab foundation and concrete recessed loading docks associated with a former larger industrial building that was razed and removed in 2019, and areas of concrete and asphalt pavement associated with the former industrial building. The City currently uses a portion of the site for log and wood chip storage and the utility contractor currently uses a portion of the site for staging of sewer and water piping.

1.3 Background

A Phase I Environmental Site Assessment (Phase I ESA) was completed for the site in February 2020 (*REI, Phase I Environmental Site Assessment Report, Former Business Incubator, 1300 Cleveland Avenue, Wausau, WI 54401, February 4, 2020*). Available information

suggests that the site was historically associated with a larger area of land, inclusive of the adjoining properties to the north and south, that had been developed for manufacturing and/or commercial purposes since at least the 1950s, and occupied by Conner Forest Industries (CFI) from the 1950s through the mid-1980s. CFI's operations reportedly consisted of cabinetmaking, which included the production of plywood and use of various glues, paints, stains, finishes, solvents, and petroleum products (including in several aboveground storage tanks [ASTs]). As described below and in Section 4.1, the portion of the site where ASTs were formerly operated was the subject of a Wisconsin Department of Natural Resources (WDNR) Environmental Repair Program (ERP) case which was closed in the 1990s.

The February 2020 Phase I ESA provided the following conclusions regarding the site:

- *The investigation of the Connor Forest Industries property in the 1980s was reviewed by the WDNR experts at the time which also had substantial involvement in the investigation and often were on site when site activities took place. Thus, they had extensive knowledge of the site from a firsthand basis. Thus, they responded with requiring no additional investigation. Thus, REI has concluded this a Historical Recognized Environmental Condition (HREC). When additional information did come forward, the WDNR opened a case in 1994 and once again reviewed all documents and closed the ERP case. Thus, REI has concluded this a Historical Recognized Environmental Condition (HREC).*
- *Although it does not meet the definition of a REC, one (1) observation made by many of the previously identified reports was the presence of 3M "rock flour" observed throughout the site. Inhalation is the only concern for exposure through the respiratory system. Therefore, the presence of this material on this site is identified as a Recognized Environmental Condition (REC) only when it is encountered and exposed by excavation activities as to allow for the material to become airborne to allow for exposure through breathing.*

The February 2020 Phase I ESA suggests that the past investigation of CFI was related to historical complaints and Wisconsin Department of Natural Resources (WDNR) staff observations of solid waste disposal occurring on the CFI property in the early 1980s. The February 2020 Phase I ESA includes a detailed discussion of the numerous records reviewed that resulted in a determination that historical investigations of the site represented a HREC.

After consideration of the February 2020 Phase I ESA, The City of Wausau's Economic Development (ED) Committee elected to pursue environmental sampling at the site, which resulted in the solicitation of proposals (via a Request for Proposals [RFP] document dated August 2020) from several environmental consulting firms for completion of a pre-defined scope of services including laboratory analysis of soil and groundwater samples for organic and inorganic analytes. This report documents the completion of that scope of services and provides conclusions and recommendations based comparisons of laboratory analytical results to current State of Wisconsin regulatory standards.

1.4 Local Geology and Hydrogeology

The Department of the Interior United States Geological Survey publication *Water Resources of Wisconsin, Central Wisconsin River Basin, Hydrologic Investigations Atlas HA-367, 1971*, indicates the site is in an area of glacial deposits that overly Precambrian-age crystalline bedrock described as being igneous and metamorphic rocks that are hard, dense, and may be fractured or weathered. The glacial deposits along the Wisconsin River are identified as unpitted outwash consisting of stratified sand and gravel with some clay and silt. In some areas, the glacial deposits may have been reworked and deposited as alluvium. The depth to bedrock in the region is variable, but is anticipated to be approximately 75 to 100 feet deep near the site location.

The U.S. Department of Agriculture, Natural Resource Conservation Service (NRCS) Web Soil Survey maps Mahtomedi loamy sand, 0% to 6% slopes, in the western portion of the site and Udorthents, loamy, gently sloping in much of the eastern portion of the site, with a thin section of the eastern portion of the site along Cleveland Avenue being mapped as Dunnville fine sandy loam, 1% to 4% slopes. The Mahtomedi series is described as being excessively drained soils located on outwash plains and stream terraces, having depths to a restrictive feature and water table of more than 80 inches, and generally consisting of a thin layer of loamy sand to a depth of approximately 8 inches overlying layers of sand to a depth of at least 60 inches. Udorthents are generally described as being areas where original soil has been excavated and/or covered with loamy fill material; the soils are described as being well drained, having depths to a restrictive feature and water table of more than 80 inches, and generally consisting of fine sandy loam to a depth of at least 60 inches. The Dunnville series is described as being moderately well drained soils located on stream terraces, having depths to a restrictive feature and water table of more than 80 inches, and generally consisting of a thin layer of fine sandy loam to a depth of approximately 8 inches, overlying layers of loam and sandy loam to a depth of approximately 36 inches, all overlying sand to a depth of at least 60 inches.

Regional groundwater flow direction is generally toward the Wisconsin River and major tributaries (*Water Resources of Wisconsin, Central Wisconsin River Basin, Hydrologic Investigations Atlas HA-367, 1971*). Locally, groundwater flow direction is anticipated to be east-southeast toward the Wisconsin River which is located approximately 0.5 miles from the site. Based on topography and observations completed during the field exploration, the depth to groundwater on the site ranges between approximately 25 and 32 feet.

Refer to Section 3.1 for a description of site-specific conditions encountered during the field exploration.

2. Investigative Procedures

2.1 Schedule and Climate

GEI and a subcontract environmental probe firm (Geiss Soil & Samples, LLC [Geiss] of Merrill, Wisconsin) accessed the site on October 12 and 13, 2020, to complete the Phase II field exploration. Weather conditions on October 12 were overcast, windy, and mild (50 to 60 degrees Fahrenheit) with periods of moderate rain in the morning and early afternoon. Weather conditions on October 13 were fair to overcast, windy, mild (50 to 60 degrees Fahrenheit), and dry.

2.2 Soil Borings

Twenty-two (22) soil borings were advanced using hydraulic direct-push (i.e., Geoprobe) technology on the site, with 19 of the borings (SB-1 to SB-19) being advanced to a depth of approximately 12 feet below ground surface (bgs) for collection of soil samples and 3 of the borings (SBGW-1 to SBGW-3) being advanced to depths between approximately 28 feet and 32 feet for collection of soil samples, installation of temporary groundwater monitoring wells, and collection of groundwater samples.

Prior to advancement of the soil borings, public utilities were marked through a notification to Wisconsin Digger's Hotline and private utilities were cleared at the boring locations by a private utility locating firm retained by Geiss. The borings were generally advanced at the locations specified in the August 2020 RFP, which were marked by the City with field stakes (in unpaved areas) or paint (on paved areas) prior to the field exploration. Some adjustments to boring locations were made on the days of field exploration as necessary, with pre-approval from the City, to avoid public or private utilities and/or due to the presence of stored materials (logs, water and sewer piping, etc.) that prohibited access to the proposed location.

The locations of soil borings advanced and temporary monitoring wells installed during the Phase II are illustrated on the Sample Location Diagram, presented as Figure 3. Photographic documentation of site conditions and a few of the assessment locations is included on a Photographic Log presented in Appendix A.

2.3 Soil Sample Collection and Preservation

Soil samples were collected by advancing a 4-foot-long, 2-inch-diameter Macrocore sampler. As the sampler was retrieved, soils were preliminarily classified in the field and sub-samples were retained for field screening and laboratory analyses. Soil samples were field-screened by visual and olfactory observations, and using a photoionization detector (PID) equipped with a 10.6-electron volt lamp to qualitatively assess the presence of volatile organic compounds (VOCs). Information regarding soil types, drilling conditions, field-screening

results, apparent depth to water (if evident) and approximate locations of stratigraphic changes were noted at the time of sampling and documented on the field logs. Soil classifications were based upon the texture and plasticity of the soil, in general accordance with the Unified Soil Classification System (USCS).

Soil samples selected for laboratory analysis were placed in appropriate containers provided by the laboratory and immediately placed into a cooler with ice for temporary field storage. Each soil sample container was labeled with the sample location, sample depth, sample preservative (if applicable), sample date and time, and project number. The samples were maintained in a cooler with ice during the fieldwork and until they could be delivered to the analytical laboratory. Generally, two soil samples for laboratory analysis were collected at each boring location.

Soil samples for laboratory analysis were submitted under chain-of-custody control to Pace Analytical Services, Inc. in Green Bay, Wisconsin (Pace), for analysis of organic and inorganic analytes specified in the August 2020 RFP. Assessed analytes included Polycyclic Aromatic Hydrocarbons (PAHs); Priority Pollutant Metals (PP Metals), including antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc; hexavalent chromium; VOCs; Pentachlorophenol (PCP); Per- and Polyfluoroalkyl Substances (PFAS); and 1,4-dioxane. PAHs, PP Metals, PCP, and VOCs were to be assessed at each boring location and at each selected sample interval. Hexavalent chromium was to be assessed only at select locations based on total chromium results. PFAS and 1,4-dioxane were to be assessed only at a few randomly-selected locations for spatial coverage across the site.

A summary of laboratory samples collected and parameters assessed in soil at each boring location is provided below.

Soil Parameters & Method	Probe Locations & Depths	
VOCs <i>EPA Methods 8260 & 5035/5030B</i> Semi-Volatile Organic Compounds (SVOCs), including PAHs and PCP <i>EPA Methods 8270 & 3546</i> PP Metals <i>EPA Methods 6010 & 3050, 7471</i>	SB-1 (4'-8') (10'-12')	SB-12 (0'-4') (8'-12')
	SB-2 (0'-4') (4'-8')	SB-13 (0.5'-4') (8'-12')
	SB-3 (0'-4') (8'-12')	SB-14 (0'-4') (4'-8')
	SB-4 (0.5'-4') (8'-12')	SB-15 (0'-4') (8'-12')
	SB-5 (0'-4') (8'-12')	SB-16 (0'-4') (8'-12')
	SB-6 (0'-4') (8'-12')	SB-17 (0'-4') (8'-12')
	SB-7 (0'-4') (8'-12')	SB-18 (0.5'-4') (10'-12')
	SB-8 (0'-4') (8'-12')	SB-19 (0.5'-4') (8'-12')
	SB-9 (0'-4') (8'-12')	SBGW-1 (3'-7') (11'-15')
	SB-10 (0'-4') (8'-12')	SBGW-2 (0.5'-4') (12'-16')
	SB-11 (0'-4') (8'-12')	SBGW-3 (0'-4') (8'-12')
1,4-dioxane <i>EPA Methods 8270 & 3546</i>	SB-2 (0'-4') (4'-8')	SB-14 (0'-4') (4'-8')
	SB-4 (0.5'-4') (8'-12')	SB-15 (0'-4') (8'-12')
	SB-8 (0'-4') (8'-12')	SB-19 (0.5'-4') (8'-12')

Soil Parameters & Method	Probe Locations & Depths	
Hexavalent Chromium <i>EPA Methods 7196A & 3060A</i>	SB-2 (4'-8')	
PFAS <i>EPA Methods 7196A & 3060A</i>	SB-2 (0'-4') SB-4 (8'-12') SB-8 (0'-4')	SB-14 (0'-4') SB-15 (8'-12') SB-19 (8'-12')

Soil samples for VOC analysis were preserved in the field at the time of collection by placing a 10-gram portion of soil into a pre-tared, laboratory-provided, 40-milliliter (ml) vial containing 10 ml of laboratory grade methanol. Soil samples for PP Metals, hexavalent chromium and SVOC analysis (including PAHs, PCP, and 1,4-dioxane) were unpreserved and prepared by packing laboratory-provided, glass and/or plastic containers full or nearly-full with soil. Soil samples for PFAS analysis were unpreserved and prepared by packing laboratory-provided and certified PFAS-free glass containers full or nearly-full with soil. Excess soil generated during sampling was returned to the hole from which it was retrieved prior to boring abandonment.

Soil Boring Logs prepared based on soil types, field-screening results, and other notes recorded on field logs at the time of fieldwork, document the sampling and are included in Appendix B.

2.4 Groundwater Monitoring Wells

Following the collection of soil samples, a small diameter ("temporary") groundwater monitoring well was installed at probe locations SBGW-1, SBGW-2, and SBGW-3 to facilitate collection of groundwater samples for evaluation of shallow groundwater quality. At locations SBGW-1 and SBGW-2, the temporary well was installed at the termination depth of the boring. At location SBGW-3, a retractable stainless-steel sampling device was driven approximately four feet beyond the completed boring depth and the temporary well was installed at the termination depth of the sampling device. Each temporary well was constructed of a 10-foot section of 1-inch inside diameter, polyvinyl chloride (PVC), slotted well screen attached to a solid PVC riser pipe.

2.5 Groundwater Sample Collection and Preservation

Temporary wells at SBGW-1 and SBGW-2 were purged and sampled using a peristaltic pump operated at a flow rate of approximately 0.5 gallons per minute (gal/min). To complete the purging and sampling, an approximately 0.5 foot-long piece of flexible silicone tubing was placed through the pump head and, on the suction end of the silicone tubing, attached to a section of more rigid low-density polyethylene (LDPE) tubing extending from the pump head into the well casing. The LDPE tubing in each well casing was maintained a few inches above the bottom of the well to reduce the potential for clogging by sediment. A second piece of

LDPE was fitted to the discharge end of the silicone tubing to facilitate collection of the groundwater samples. Prior to collection of samples, groundwater was purged from each well until the water appeared free of turbidity, which generally required the removal of approximately 1 to 1.5 gallons of water. Due to the completed depth at SBGW-3, which was beyond the operating range of the peristaltic pump, the temporary well at SBGW-3 was purged and sampled manually using a clean stainless-steel foot valve fitted to the end of a section of LDPE tubing extending into the well casing. Prior to the collection of a sample, groundwater was manually purged for approximately 20 to 30 minutes, resulting in the removal of approximately 2.5 to 3 gallons of water. Unlike the wells at SBGW-1 and SBGW-2, which appeared clear of turbidity at the time of sample collection, the groundwater sample collected from SBGW-3 still included moderate turbidity at the time of sample collection. Purge water generated during sampling was thin-spread on the concrete foundation of the former industrial building and allowed to evaporate.

Groundwater samples selected for laboratory analysis were placed in appropriate containers provided by the laboratory and immediately placed into a cooler with ice for temporary field storage. Each groundwater sample container was labeled with the sample location, sample preservative (if applicable), sample date and time, and project number. The samples were maintained in a cooler with ice during the fieldwork and subsequently delivered to the analytical laboratory under chain-of-custody control. Groundwater samples for laboratory analysis were submitted under chain-of-custody control to Pace for analysis of organic and inorganic analytes specified in the August 2020 RFP, which included PAHs, PP Metals, PCP, and VOCs at each location.

Groundwater samples collected for analysis of dissolved metals were field filtered prior to sample preservation. Field filtering was completed using a disposable 0.045-micron filter attached to the discharge end of the silicone tubing on the peristaltic pump. At least one filter volume of water was pumped through the filter before the groundwater sample was collected in the laboratory-supplied container. A new disposable filter was used for each well.

Groundwater samples for VOC analysis were preserved in the field at the time of collection by filling three laboratory provided, 40-milliliter (ml) vials containing hydrochloric acid to a zero headspace condition. Groundwater samples for PP Metals analysis were preserved in the field at the time of collection by filling one laboratory provided, 250-ml plastic bottle containing nitric acid to a full or nearly-full condition. Groundwater samples for PAHs and PCP analysis were unpreserved and prepared by filling one laboratory-provided, 1,000-ml glass container to a full or nearly-full condition.

2.6 Decontamination

2.6.1 General Procedures

Down-hole soil sampling equipment was decontaminated before arriving to the site, prior to its initial use, and between probe locations to reduce the potential for cross-contamination between sample locations. Sample tools (Macrocore sampler, fittings, etc.) were cleaned prior to arriving to the site and between sample intervals using an Alconox[®] or equivalent detergent wash, followed by a potable water rinse. Water generated during decontamination was contained by Geiss and transported off site for disposal. Equipment used for groundwater sampling (tubing) was disposable and was replaced prior to the collection of each sample or was decontaminated prior to arriving to the site (stainless steel foot valve) using an Alconox[®] or equivalent detergent wash, followed by a potable water rinse. The disposable equipment, including soil sampling acetate liners, tubing, and sampling gloves, were contained by GEI or Geiss in plastic bags after being used and transported off site for disposal.

2.6.1 PFAS Procedures

Acetate liners were used in the Macrocore sampler for collection of soil samples and powder-less nitrile gloves were used when handling sampling equipment, containers, and soil. Additionally, down-hole sampling equipment used at the locations where soil samples were planned to be collected for PFAS analysis were cleaned and rinsed using the procedures above and then subjected to a second rinse prior to use with PFAS-free water provided by Pace in laboratory prepared containers. GEI personnel also followed some of the other PFAS sampling guidance outlined in various publicly-available government documents (e.g., Michigan Department of Environment, Great Lakes, and Energy [EGLE]), such as not using or applying sunscreen or bug spray that may contain PFAS and not eating fast food the day prior to or during sampling, but is unable to confirm that Geiss also followed this same guidance. Additionally, because of the moderate rainfall that occurred earlier in the day while collecting samples at other locations (those that did not require collection of PFAS samples), some clothing that was donned and doffed from field personnel prior to advancement of borings for PFAS sample collection may have been manufactured with protective coatings containing PFAS.

One water sample was collected from the final PFAS-free water rinse of the Macrocore sampler prior to initial use at one location (SB-4) and was submitted as an Equipment Blank to Pace for laboratory analysis of PFAS to evaluate the decontamination procedures. The Equipment Blank water sample and all soil samples for PFAS analysis were collected in PFAS-free containers provided by Pace.

2.7 Monitoring Well and Borehole Abandonment

Following the collection of soil and groundwater samples, well materials were removed and the boreholes were abandoned by filling with bentonite chips to the ground surface in general accordance with the procedures outlined in Chapter NR 141, Wisconsin Administrative Code.

2.8 Geospatial Data Collection

Following the abandonment of the boreholes, geospatial information for each boring and well location was retrieved using Trimble Geographical Positioning System (GPS) equipment (Trimble R8S Receiver) and the Wisconsin Continuously Operating Reference Stations (WISCORS) network of GPS sites. The information retrieved for each location included northings and eastings in the Marathon County, Wisconsin Coordinate System and elevations using the North American Vertical Datum of 1988. This geospatial information was used to develop the Sample Location Diagram (Figure 3) and further evaluate groundwater depths observed in borings advanced at the site.

3. Results

3.1 Field Screening Results

Subsurface conditions encountered during the Phase II varied at each probe location as shown on the Boring Logs. Generally, subsurface conditions at the boring locations are characterized by layers of fine to coarse sand and silty sand fill, in various colors including light gray, brown and black, overlying apparent native fine, medium, and coarse sand and gravel to the boring termination depths. Based on a review of the February 2020 Phase I ESA and other information available online for the site, some of the fill observed in borings during the Phase II may be sand and silty fine sand material that originated from the nearby 3M facility located north of the site along Rosecrans Street. Prior reports describe this 3M fill as being granules and “rock flour” byproducts from 3M’s roofing granule manufacturing process, with the “rock flour” being characterized as a gray to gray-brown silty fine sand. During the Phase II exploration, observations of gray silty fine sand layers and/or layers of sand with flecks of white, green or red were noted at several boring locations, primarily in the southern, central, and eastern portions of the site. A tabular summary of fill observations for the 22 borings advanced during this Phase II is provided below, with more detail being provided on the boring logs.

Site Position (N. to S.)	Site Position (W. to E.)	Boring	Boring Depth	Estimated Fill Depth	Notes
North	West	SBGW-3	32'	0' – 4.0'	
North	West	SB-15	12'	0' - 7.0'	
North	Central	SB-16	12'	0' - 5.0'	
North	Central	SB-18	12'	0' - 5.0'	
North	Central	SB-19	12'	0' - 2.5'	
North	Central	SBGW-2	32'	0' - 3.0'	
North	East	SB-17	12'	0' - 12'	Lt. Gray Silty Fine Sand (~6'-7')
Central	West	SB-10	12'	0' - 5.5'	
Central	Central	SB-7	12'	0' - 5.0'	Lt. Gray Silty Fine Sand (~2'-4')
Central	Central	SB-8	12'	0' - 6.0'	Lt. Gray and Black Mixed Silty Fine Sand (~2'-6')
Central	Central	SB-11	12'	0' - 4.0'	Lt. Gray Silty Fine Sand (~0.5'-2')
Central	Central	SB-12	12'	0' - 6.0'	Lt. Gray Silty Fine Sand (~1'-3')

Site Position (N. to S.)	Site Position (W. to E.)	Boring	Boring Depth	Estimated Fill Depth	Notes
Central	Central	SB-13	12'	0' - 2.0'	
Central	East	SB-9	12'	0' - 9.0'	Lt. Gray to Brown Silty Fine Sand (~6'-9')
Central	East	SBGW-1	28'	0' - 12'	Lt. Gray Silty Fine Sand (~2'-10')
Central	East	SB-14	12'	0' - 7.0'	Lt. Gray Silty Fine Sand (~2'-3'); Black Silty Sand with Red & White Flecks (~4'-7')
South	West	SB-1	12'	0' - 6.5'	Lt. Gray Silty Fine Sand (~3'-6'); Cinders (~6'-6.5')
South	West	SB-4	12'	0' - 4.0'	
South	Central	SB-2	12'	0' - 9.5'	Brown to Red-Brown Silty Fine Sand with Green & White Flecks (~2.5'-5'); Lt. Gray to Gray- Brown Silty Fine Sand (~5'-7.5')
South	Central	SB-5	12'	0' - 9.0'	Lt. Gray Silty Fine Sand (~2.5'-3')
South	East	SB-3	12'	0' - 11.5'	Lt. Gray Silty Fine Sand (~5.5'-8')
South	East	SB-6	12'	0' - 11.0'	Lt. Gray Silty Fine Sand (~4'-9')

PID field screening results are presented on the boring logs. The PID was calibrated prior to initial operation using a calibration gas standard of 100 parts per million (ppm) isobutylene. The PID was used for qualitative assessment of a wide range of volatile analytes that may have been encountered during sampling, rather than a quantitative assessment of a specific analyte. Therefore, the PID was not programmed with an analyte-specific correction factor prior to initial operation. PID readings for soil samples collected from the probe locations were all equal to or less than 0.1 ppm, which is considered representative of background conditions. Furthermore, obvious petroleum, solvent or other odors suggestive of environmental impairment were not observed during sampling.

Groundwater infiltration into the open boreholes and well casings was evident during the field exploration at locations SGBW-1, SBGW-2, and SBGW-3, with the depth to groundwater being estimated at approximately 25 to 26 feet bgs at SGBW-1, 29 to 31 feet bgs at SBGW-2, and 32 to 33 feet bgs at SBGW-3. Geospatial data collected during the Phase II indicates that the ground surface elevations at SBGW-1 and SBGW-2 are similar (within a few inches) to each other but approximately 5 feet lower than the ground surface elevation at SBGW-3. Boreholes and temporary wells were only allowed to remain open for brief periods of time. Therefore, while the depth to groundwater on the site appears to range

between approximately 25 and 33 feet bgs, and the groundwater flow direction is anticipated to be generally east-southeast toward the Wisconsin River, data collected during this Phase II is not sufficient to confirm a groundwater flow direction across the site. Additionally, the depth to groundwater encountered during future activities could be shallower or deeper due to annual and/or seasonal variations in local precipitation.

3.2 Laboratory Analytical Results

3.2.1 Regulatory Framework

Wisconsin regulates soil conditions through several environmental rules and regulations. Chapter NR 720 of the Wisconsin Administrative Code presents the approved methodology to establish cleanup standards for soil impacts that will result in the restoration of the environment to the extent practicable. Under NR 720, methodologies are presented for establishing soil cleanup standards (i.e., Residual Contaminant Levels [RCLs]) for the protection of groundwater quality and protection of human health from direct contact (inhalation, ingestion, or dermal).

Three general soil cleanup standards can be calculated using this methodology and the exposure and toxicity assumptions recommended by the WDNR and/or Environmental Protection Agency (EPA):

- Non-Industrial Direct Contact Pathway – concentration of a particular chemical which, if present in the soil, represents a potential risk to human health as a result of inhalation or ingestion under exposure conditions characteristic of a non-industrial land use.
- Industrial Direct Contact Pathway – concentration of a particular chemical which, if present in the soil, represents a potential risk to human health as a result of inhalation or ingestion under exposure conditions characteristic of an industrial land use.
- Groundwater Pathway – concentration of a particular chemical which, if present in the soil, represents a potential risk to groundwater quality. Groundwater quality standards used to establish the Groundwater Pathway RCL generally correspond to federal drinking water standards or Wisconsin Enforcement Standards for groundwater.

Wisconsin has also established Background Threshold Values (BTVs) for particular substances by completing a statistical evaluation of soil samples collected from across the state in areas considered to be undisturbed and/or devoid of obvious anthropogenic influences. BTVs are summarized in the WDNR's R&R Program RCL Spreadsheet (RR-052e), which was last updated in December 2018. A BTV is considered to be the concentration of a substance that is categorically accepted as not exceeding naturally-occurring background levels. Per WDNR guidance and NR 720.07(3), Wisconsin Administrative Code, a substance detected in soil at a concentration above the RCL, but below the BTV, is not considered to be an exceedance of the RCL and does not need to be identified as such on summary tables or figures.

The general soil cleanup standards presented in NR 720 should not be interpreted as mandatory compliance standards. Rather, these limits are based on general toxicity values and exposure conditions and are intended to be used to evaluate the general environmental risk related to a property. Wisconsin regulations allow parties to meet soil cleanup standards by using protections (i.e. performance standards) that can be incorporated into development plans. A soil performance standard implemented to reduce the risk of direct contact typically consists of capping the surface where contaminants are present within four feet of the ground surface. Capping material may consist of a surface barrier such as soil, geomembrane, asphalt, or concrete and does not necessarily need to be impermeable if contaminants are not likely to leach from soil. If contaminants exceeding direct contact RCLs are present at depths greater than 4 feet, a performance standard to limit direct contact exposure is imposed by listing the site on the WDNR database and requiring proper management of contaminated material if excavated in the future.

A soil performance standard can also be implemented where soil contamination threatens groundwater quality. If contaminants exceeding groundwater pathway RCLs are present, an impermeable barrier may be an effective performance standard remedy to reduce contaminant leaching from soil to groundwater. If soil contamination and groundwater contamination above ES levels are both present, natural attenuation of groundwater contaminants can also serve as a soil performance standard, provided naturally occurring processes are containing and reducing the mass and concentration of groundwater contaminants, and groundwater contaminant concentrations can be reduced to levels below the ES within a reasonable time period.

Groundwater quality is regulated under Chapter NR140, Wisconsin Administrative Code. This administrative code establishes numerical standards for the protection of human health and the environment. Under Chapter NR140, two sets of groundwater standards are established: the Enforcement Standard (ES) and the Preventive Action Limit (PAL). The ES is generally consistent with the federal drinking water standard or maximum contaminant level (MCL), and the PAL is 10%, 20%, or 50% of the ES depending on the health-related characteristics of the particular substance. Ten percent is used for cancer-causing substances, 20% for substances with other health effects, and 50% for substances having aesthetic concerns. Both an ES and PAL have been established for substances of Public Health and Public Welfare concern. Substances of Public Health concern include those that have carcinogenic, mutagenic, or teratogenic properties. Comparatively, Public Welfare Standards are established for substances that might cause taste, color, or odor concerns.

If these numerical groundwater standards are exceeded, specific reporting and response action is required. The WDNR has the regulatory authority to require action to control, monitor, or mitigate conditions to the extent technically and economically feasible. Where a PAL is attained or exceeded, the WDNR is required to evaluate the situation and take actions necessary to reduce the concentration of the substance below the PAL or at the lowest concentration feasible. When a substance is detected in the groundwater at concentrations

equal to or greater than its ES, the activity, practice, or facility that is the source of the substance is subject to immediate enforcement action. Unlike a PAL, when an ES has been attained or exceeded, the WDNR must prohibit the continuation of the activity from which the substance came, unless it is demonstrated to the agency that an alternative response will achieve compliance with the ES.

3.2.2 Soil Sample Analytical Results

Soil sample analytical results are presented on Table 1, with only parameters detected above laboratory minimum detection limits (MDLs) being summarized. Complete lists of assessed parameters and associated results are provided in the laboratory reports included in Appendix C.

VOCs, PCP, and 1,4-dioxane were not detected above the MDLs in any of the soil samples submitted for analysis. The VOC laboratory results are consistent with field screening observations which did not reveal odors or elevated PID readings. Hexavalent chromium also was not detected above the MDL in the one soil sample submitted to further evaluate a detected concentration of total chromium above the BTV. PFAS (Perfluorooctanesulfonic acid) was detected in each soil sample submitted for analysis; however, the concentrations were reported at levels between the MDL and the limit of quantitation (LOQ), which means that the reported concentrations are estimated at values below the quantitation limit. The estimated PFAS concentrations are several orders of magnitude below currently published RCLs for PFAS, which are non-industrial direct contact and industrial direct contact RCLs.

Metals were detected in soil at concentrations exceeding the BTV, groundwater pathway RCL, non-industrial direct contact RCL and/or industrial direct contact RCL. Additionally, PAHs were also detected in soil at concentrations exceeding the groundwater pathway, non-industrial direct contact, and/or industrial direct contact RCLs.

A summary of BTV (B), groundwater pathway (G) RCL, non-industrial direct contact (NI) RCL, and industrial direct contact (I) RCL exceedances in soil are summarized below. Also summarized below is the soil type characterized for each sample at the time of collection, designated as fill (F), possible fill (P), native (N), or a combination (e.g., F/P, F/N, or P/N).

Soil Sample BTV and RCL Exceedances																	
Sample			PP Metals									PAHs					
Location	Interval	Soil Type	Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Thallium	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
SB-1	4'-8'	F/N	--	--	--	B	--	--	--	--	NI G	--	--	--	G	--	--
SB-1	8'-12'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-2	0'-4'	F	--	--	--	--	--	--	--	--	NI G	--	NI	--	--	--	--
SB-2	4'-8'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-3	0'-4'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-3	8'-12'	F/N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-4	0.5'-4'	F	--	--	--	--	--	--	--	--	NI G	--	NI	--	G	--	--
SB-4	8'-12'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-5	0'-4'	F	--	--	--	--	B	--	--	--	--	--	NI G	NI G	G	--	--
SB-5	8'-12'	F/N	--	--	--	--	--	B G	--	--	--	--	--	--	--	--	--
SB-6	0'-4'	F	--	--	--	--	--	--	G	--	NI G	--	--	--	--	--	--
SB-6	8'-12'	F/N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-7	0'-4'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-7	8'-12'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Soil Sample BTV and RCL Exceedances																
Sample			PP Metals									PAHs				
Location	Interval	Soil Type	Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Thallium	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Indeno(1,2,3-cd)pyrene
SB-8	0'-4'	F	G	B I NI G	--	--	B	--	--	--	--	--	NI G	--	--	--
SB-8	8'-12'	P/N	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-9	0'-4'	F	G	--	--	--	B	B G	--	G	NI G	--	NI G	G	G	--
SB-9	8'-12'	F/N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--
SB-10	0'-4'	F	--	--	--	--	--	--	--	--	--	--	NI G	G	G	--
SB-10	8'-12'	N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--
SB-11	0'-4'	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-11	8'-12'	N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--
SB-12	0'-4'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--
SB-12	8'-12'	N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--
SB-13	0.5'-4'	F	--	--	--	--	B	--	--	--	--	--	--	--	--	--
SB-13	8'-12'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-14	0'-4'	F	--	--	--	--	--	--	--	--	NI G	NI	I NI G	NI G	G	NI
SB-14	4'-8'	F/N	G	--	B G	--	B	B G	--	--	--	NI	I NI G	NI G	G	NI

Soil Sample BTV and RCL Exceedances																	
Sample			PP Metals									PAHs					
Location	Interval	Soil Type	Antimony	Arsenic	Cadmium	Chromium	Copper	Lead	Mercury	Selenium	Thallium	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
SB-15	0'-4'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-15	8'-12'	P/N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-16	0'-4'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-16	8'-12'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-17	0'-4'	F	G	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-17	8'-12'	F	G	--	--	--	B	B G	--	--	--	--	--	--	--	--	--
SB-18	0.5'-4'	F	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-18	10-12'	N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SB-19	0.5'-4'	F/N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SB-19	8'-12'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SBGW-1	3'-7'	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SBGW-1	11'-15'	F/N	--	--	--	--	--	--	--	--	NI G	--	--	--	--	--	--
SBGW-2	0.5'-4'	F/N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SBGW-2	12'-16'	N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SBGW-3	0'-4'	F	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SBGW-3	8'-12'	P/N	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Analytical results for several soil samples, most notably SB-6 (0'-4') and SB-6 (8'-12'), included elevated MDLs for PAHs even though no volatile or semi-volatile compounds were identified. This suggests that the samples required dilution due to either a matrix interference or presence of non-target analytes. Based on correspondence with Pace, the elevated MDLs for the SB-6 samples were caused by the presence of several peaks on the late end of the chromatogram, none of which produced a definite identifiable spectrum that could be discerned by Pace analysts.

Thallium was detected in 21 of the 44 soil samples submitted for analysis, both in fill and apparent native soils, with detected concentrations ranging between 0.8 and 1.7 milligrams per kilogram (mg/kg). Thallium is a relatively rare but widely dispersed element that is present in coal and sulfide ores of zinc, copper, and lead. Thallium in the environment can be the result of both natural and anthropogenic sources, with commonly cited anthropogenic sources being atmospheric deposition of fly ash from the combustion of coal and operation of cement kilns and disposal of wastes from coal combustion (i.e., coal combustion byproducts) and ferrous and nonferrous smelting operations. Industrially, thallium has been used in the manufacture of electronics, low-temperature thermometers, semiconductors, optical lenses, and imitation precious jewels, and in the preparation of high-density liquids. Thallium was also used historically as an insecticide and rodenticide, but its commercial and consumer use as such was banned in the United States and many other countries in the 1970s. Natural processes can also mobilize thallium from geological sources, where high concentrations in bedrock and ore can lead to enrichment of thallium in soil layers. We understand that thallium was not specifically targeted as a contaminant of concern based on the known history of the site but rather, was included coincidentally when for thoroughness, the City selected PP Metals for the August 2020 RFP. Based on a review of the February 2020 Phase I ESA and other online resources, there are no known current or prior sources of thallium at the site related to historical site occupancies/uses. Because the concentrations of thallium at the site are relatively consistent and were detected in both fill and apparent native soils, the thallium detections may be indicative of background conditions resulting from natural geologic processes and/or atmospheric deposition.

3.2.3 Groundwater Sample Analytical Results

Groundwater sample analytical results are presented on Table 2, with only parameters detected above laboratory MDLs being summarized. Complete lists of assessed parameters and associated results are provided in the laboratory reports included in Appendix C.

VOCs and PCP were not detected above the MDLs in any of the groundwater samples submitted for analysis. A few metals (arsenic, copper, and/or nickel) were detected in each groundwater sample; however, the detected concentrations are below the PALs. Thallium was not detected above the MDL in any of the groundwater samples, which is notable because thallium was detected in soil at SBGW-1 at a concentration (1.4 mg/kg) on the upper end of the range of thallium concentrations detected in site soils during the Phase II. This

suggests that although thallium is present in site soils, it has not adversely impacted groundwater quality.

Several PAHs were detected in each groundwater sample submitted for analysis; however, except for chrysene, the detected concentrations are below the PALs. Chrysene was detected above the MDL but below the LOQ in each groundwater sample submitted for analysis, with the estimated values being equal to the PAL (0.2 micrograms per liter [ug/L]) at SBGW-2 and above the PAL (but below the ES) at SBGW-1 (0.027 ug/L) and SBGW-3 (0.052 ug/L). It should be noted that unlike samples collected from SBGW-1 and SBGW-2, groundwater sample SBGW-3 had slight to moderate turbidity at the time of collection; therefore, the results are likely biased high due to solids and not indicative of chrysene present solely in the dissolved phase.

3.2.4 Equipment Blank Water Sample Analytical Results

Laboratory analytical results indicate that PFAS (Perfluorooctanesulfonic acid) was detected in the equipment blank water sample collected from the final PFAS-free water rinse of the Macrocore used for soil sampling at boring SB-4. The concentration was reported at a level between the MDL and LOQ, which means that the reported concentration is estimated at values below the quantitation limit. The reported concentration (1.3 nanograms per liter [ng/L]) is below the regulatory limit (Preventive Action Limit) for groundwater currently being considered by the WDNR (2.0 ng/L). Given that there were periods of moderate rainfall on the day of sampling, there is a potential for the PFAS detection in the equipment blank to be associated with atmospheric deposition rather than other factors (e.g., residues from sampling or decontamination procedures). Regardless, even if low levels of PFAS were potentially introduced into the soil samples due to external factors such as precipitation, it is our opinion that such potential residues from external factors had a negligible effect on the PFAS soil sample results, because the reported concentration of PFAS in the equipment blank water sample is several orders of magnitude below the concentrations of PFAS detected in soil samples.

Laboratory analytical results for the equipment blank water sample are provided in the same laboratory report for PFAS soil samples included in Appendix C.

4. Conclusions and Recommendations

4.1 Conclusions

Subsurface sampling completed during this Phase II revealed the presence of fill soil at each assessment location, including sand fill with characteristics similar to those described in prior site reports as being granules and “rock flour” byproducts from 3M’s roofing granule manufacturing process. Fill thickness and characteristics varied at each assessment location but generally, thicknesses were greater and the presence of possible 3M byproducts was more pronounced in the southern and eastern portions of the site. Excluding the visual characteristics noted above, no field evidence of potential environmental impact was observed during the field exploration; PID instrument readings were representative of background conditions and no apparent solvent or petroleum odors were noted during sampling.

Laboratory analytical results identified several metals in soil at concentrations above the applicable groundwater pathway RCLs, including antimony at four boring locations (SB-8, SB-9, SB-14 and SB-17), arsenic at one boring location (SB-8), cadmium at one boring location (SB-14), lead at four boring locations (SB-5, SB-9, SB-14 and SB-17), mercury at one boring location (SB-6), selenium at one boring location (SB-9), and thallium at 15 of the 22 boring locations (all locations except SB-5, SB-8, SB-13, SB-17, SB-19, SBGW-2, and SBGW-3). Concentrations of thallium at the 15 boring locations where it was detected above the MDL also exceed the non-industrial direct contact RCL. The concentration of arsenic in the one soil sample that exceeds the groundwater pathway RCL also exceeds the non-industrial direct contact RCL, and industrial direct contact RCL. Most of the metals detections above RCLs are associated with soil samples collected entirely from fill intervals or from intervals that included a mix of fill and apparent native soils. However, at least a few of the thallium detections above RCLs are associated with apparent native soils (SB-10 [8’-12’], SB-11 [8’-12’], SB-12 [8’-12’] and SB-18 [10’-12’]). Groundwater results for boring locations SBGW-1, SBGW-2, and SBGW-3, which did not identify thallium or other metals above the MDLs or applicable PALs, suggest that the concentrations of metals detected in site soils are not adversely impacting groundwater quality. However, thallium was the only metal detected in soil above a groundwater pathway RCL at the locations where groundwater samples were collected (thallium was only detected in soil at SBGW-1).

Laboratory analytical results identified PAHs above applicable RCLs at eight boring locations (SB-1, SB-2, SB-4, SB-5, SB-8, SB-9, SB-10, and SB-14). An industrial direct contact RCL exceedance was identified for benzo[a]pyrene at SB-14. Non-industrial direct contact RCL exceedances were identified for benzo(a)anthracene at SB-14; benzo(a)pyrene at SB-2, SB-4, SB-5, SB-8, SB-9, and SB-10; benzo[b]fluoranthene at SB-5 and SB-14; dibenzo(a)anthracene at SB-14; and Indeno(1,2,3-cd)pyrene at SB-14. Groundwater pathway RCL exceedances were identified for benzo(a)pyrene at SB-5, SB-8, SB-9, SB-10, and SB-14; benzo[b]fluoranthene at

SB-5, SB-9, SB-10, and SB-14; and chrysene at SB-1, SB-4, SB-5, SB-9, SB-10, and SB-14. Except at one sample location and sample interval (SB-10 [0'-4']), the detections of PAHs above RCLs appear to be associated with either dark brown, dark brown to black, and black silty fine sand fill that was encountered and sampled at those locations. At SB-10, the elevated PAHs are associated with a fill layer comprised of brown medium to coarse sand. Groundwater results for borings SBGW-1, SBGW-2, and SBGW-3, did not identify PAHs above the PALs, except for chrysene at SBGW-1 and SBGW-3, which was detected at a concentration between the MDL and LOQ. Local groundwater flow direction is anticipated to be east-southeast toward the Wisconsin River, which is located approximately 0.5 miles from the site. Because SBGW-3 is in the far northwest portion of the site and PAHs were not detected in soil at that location, the PAH detections in groundwater at SBGW-3 and possibly also at the other groundwater assessment locations may be influenced by an upgradient offsite source.

The most elevated detections of PAHs in soil were identified at boring SB-14, which was advanced in the east-central portion of the site, slightly northeast of the storage building. Based on a review of the February 2020 Phase I ESA and other available online information, this is an area that historically included several aboveground storage tanks (ASTs) of liquid products (stains and finishes) used by Connor Forest Industries for cabinet finishing. The number, sizes, and specific contents of the ASTs, as well as the duration of their use on the site is unknown; however, available information suggests that they were removed prior to 1986. An environmental regulatory case (WDNR Activity No. 02-37-000575) was opened in 1994 to address impacted soils and buried piping discovered in the same general area of the site during the removal of a concrete slab that reportedly was the foundation for the former ASTs. The regulatory case achieved closure in 1995 following the removal of the slab, removal of piping runs that extended several hundred feet west to the former industrial building (approximately the last 10 to 12 linear feet of piping runs near the industrial building reportedly were not removed at the time due to structural concerns for the building), completion of soil and groundwater assessment (which was limited to VOCs), and the offsite disposal of impacted soils from an approximately 5-foot by 5-foot by 10-foot deep excavation completed at the east end of the piping runs (in the general vicinity of SB-14). PAHs were not assessed in this area of the site as part of the former regulatory case; therefore, PAH results for soil samples collected from SB-14 cannot be directly compared to prior data. However, unlike VOC data generated during the prior regulatory case (which primarily identified ethylbenzene, toluene, and xylene impacts in excavated soil, but also included low-level chlorinated VOC detections), soil analytical results at SB-14 did not identify any VOCs above the MDLs. Therefore, while there could be an association with the former AST systems, elevated PAHs detected in soil at SB-14 may also be associated with historical placement of fill soil, similar to other Phase II assessment locations.

4.2 Recommendations

Based on the results of soil and groundwater sampling completed during this Phase II, it is our interpretation that as the owner of this site, the City has an obligation to report these results to the WDNR in accordance with Wisconsin Statute §292.11(2) and Wisconsin Administrative Code §NR 706.05. Upon notification, we anticipate the WDNR will open a regulatory case and require the City to complete additional assessment and/or remedial action as appropriate to obtain case closure.

The degree and extent of additional assessment and remedial action required by the WDNR to obtain regulatory case closure will in part be dictated by the desired end use of the site (i.e., industrial versus commercial or residential). Regardless of the end use, the WDNR may require further assessment of groundwater quality on the site related to PAHs and possibly metals detections in soil above BTVs and groundwater pathway RCLs. If the site remains zoned for industrial use, the WDNR would allow the City to rely on industrial direct-contact RCLs for case closure, which may limit additional soil assessment and remedial action activities to the areas where industrial direct contact exceedances were identified (arsenic at SB-8 and PAHs at SB-14). At these areas, we anticipate that excavation and/or capping of impacted soils will ultimately be required to achieve case closure. Additional soil assessment and/or remedial action for an industrial closure may also be necessary for areas where PAHs and metals exceed a groundwater pathway RCL, unless groundwater data successfully demonstrates that soil conditions are not degrading groundwater quality. If industrial standards are used to achieve regulatory case closure, redevelopment post-closure would be restricted to industrial uses unless at some future time, the case is voluntarily re-opened and further assessment and remedial action is completed to achieve closure using non-industrial standards.

If the City elects to pursue regulatory case closure using non-industrial standards, we anticipate more substantial assessment and remedial action activities being required to address areas where non-industrial direct contact exceedances were identified. This may include not only areas where PAHs were detected, but also areas where thallium was detected above the non-industrial direct contact RCL. Although the thallium concentrations in soil may be indicative of background conditions resulting from natural geologic processes and/or atmospheric deposition, there is a potential that the WDNR may require remedial action (e.g., excavation/capping) to address those exceedances under a non-industrial land use scenario. The WDNR may also require further assessment of thallium and PAHs in soil depending on the remedial action selected by the City and the degree to which that remedial action is applied to the site (e.g., site-wide versus targeted). Attempts to define the extent of non-industrial direct contact exceedances may prove problematic, because the detections may be related to fill and results of the Phase II suggest that fill is likely ubiquitous on the site.

Regardless of the future use of the site, these Phase II results suggest that much of the shallow soil present on the site, as well as some deeper soil, would be considered a solid waste if/when

excavated and require offsite disposal at a licensed landfill and/or special approval from the WDNR for onsite management during future redevelopment.

After a regulatory case is opened, we recommend a meeting with the WDNR to review the Phase II results, discuss redevelopment alternatives being considered for the site, and determine the degree and extent of additional assessment and remedial action that would be required by the WDNR to obtain regulatory case closure under various redevelopment scenarios. After a pathway to closure is identified, we recommend that a Site Investigation Work Plan (SIWP) be prepared and formal review and comment on that SIWP be requested from the WDNR so that the objectives of the assessment are clearly defined and consistent with WDNR expectations for the selected pathway to closure.

5. General Qualifications

Conclusions presented herein are based on our professional interpretation of information collected during the Phase II. Our conclusions are limited by the accuracy and completeness of information provided by others. Therefore, if additional information is disclosed or an alteration of the information occurs, the conclusions presented in this report may need to be revised.

Conclusions presented herein are also based on subsurface conditions as revealed in the borings completed during the Phase II. Stratification lines shown on the boring logs represent the approximate boundaries between soil/material types. Variations in subsurface conditions may exist both in the horizontal and vertical directions away from the boring locations.

This report was prepared on behalf of the City so that environmental conditions can be considered as part of a comprehensive site redevelopment plan. We recommend that this report be used only for the purposes intended by GEI and the City at the time of issuance. This report may be unsuitable for other uses, and reliance on this report by anyone other than the City, is done at the sole risk of the user.

Tables

Table 1 Soil Analytical Summary

Table 2 Groundwater Analytical Summary

Table 1
Soil Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}				Location	SB-1	SB-1	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	SB-5	SB-5	SB-6	SB-6	SB-7	SB-7	SB-8	SB-8
						Depth (ft)	4 - 8	8 - 12	0 - 4	4 - 8	0 - 4	8 - 12	0.5 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12
Name & CAS #		BTV	Non Industrial DC	Industrial DC	GW	PID (ppm)	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
						Date	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/13/20	10/13/20	10/13/20	10/13/20	10/12/20	10/12/20	10/12/20
PRIORITY POLLUTANT METALS ^{3,4} (mg/kg)																						
Antimony	7440-36-0	NE	31.3	467	0.542		< 1.3	< 0.91	< 0.87	< 0.84	< 0.89	< 0.89	< 0.84	< 0.81	< 0.88	< 1.2	< 0.85	< 1.0	< 0.83	< 0.84	4.5	< 0.77
Arsenic	7440-38-2	8*	0.677	3.0	0.584		7.0	< 1.7	2.1 J	< 1.6	< 1.6	3.1	< 1.5	< 1.5	< 1.6	< 2.3	1.9 J	< 1.9	< 1.5	< 1.5	9.3*	< 1.7
Beryllium	7440-41-7	NE	156	2,300	6.32		0.49 J	0.24 J	0.25 J	0.41 J	0.24 J	1.3	0.27 J	0.27 J	0.33 J	0.37 J	0.30 J	0.43 J	0.30 J	0.19 J	< 0.23	0.12 J
Cadmium	7440-43-9	1	71	985	0.752		0.27 J	< 0.15	0.33 J	< 0.14	0.19 J	< 0.15	< 0.14	< 0.13	0.34 J	0.40 J	0.54	< 0.17	< 0.14	< 0.14	0.87 J	< 0.13
Chromium, Total ⁵	7440-47-3	44*	100,000	100,000	360,000		55.4*	12.4	40.9	5.6	18.3	11.4	7.6	13	8.3	16.3	16.9	13.5	0.55 J	6.3	7.7	5.2
Copper	7440-50-8	35*	3,130	46,700	91.6		31.3	11.0	9.4	4.9	7.7	8.8	8.3	15.3	41.1*	26.6	10.7	5.8	3.4	7.1	75.8*	5.1
Lead	7439-92-1	52*	400	800	27		32.5	2.1 J	15.9	11.7	15	43.6	4.6	2.2	28.3	212*	25.5	36.5	6.2	1.6 J	35.9	0.87 J
Nickel	7440-02-0	31	1,550	22,500	13.06		15.1	9.0	8.3	1.6	6.1	5.5	5.2	11.5	5.9	12.9	5.0	3.4	0.77 J	6.7	10.6	4.7
Selenium	7782-49-2	NE	391	5,840	0.52		< 2.2	< 1.5	< 1.4	< 1.4	< 1.5	< 1.5	< 1.4	< 1.3	< 1.4	< 2.0	< 1.4	< 1.7	< 1.4	< 1.4	< 2.5	< 1.3
Silver	7440-22-4	NE	391	5,840	0.8491		< 0.51	< 0.35	< 0.34	< 0.33	< 0.34	< 0.34	< 0.32	< 0.31	< 0.34	< 0.48	0.36 J	< 0.40	0.33 J	< 0.32	< 0.59	< 0.30
Thallium	7440-28-0	NE	0.782	11.7	0.284		1.7 J	< 0.88	1.1 J	0.87 J	0.87 J	1.3 J	1.0 J	< 0.78	< 0.85	< 1.2	1.0 J	1.6 J	1.4 J	< 0.82	< 3.0	< 0.75
Zinc	7440-66-6	NE	23,500	100,000	NE		87.1	16.6	63.7	32.6	61.4	118	37.7	18.2	68.7	168	61.2	60.4	38.9	9.6	349	7.9
Mercury	7439-97-6	NE	3.13	3.13	0.208		< 0.017	< 0.011	0.089	< 0.010	0.055	< 0.011	< 0.010	< 0.010	0.038 J	0.024 J	0.26	< 0.013	< 0.010	< 0.011	0.024 J	< 0.011
Hexavalent Chromium	18540-29-9	NE	0.301	6.36	NE		< 0.888	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SEMI-VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																						
Anthracene	120-12-7	NE	1.79E+07	1.00E+08	196,949		< 222	< 31.0	< 30.4	< 30.3	< 30.1	< 31.1	< 141	< 27.4	387 J	< 45.1	< 605	< 744	< 143	< 30.1	< 516	< 28.1
Benzo(a)anthracene	56-55-3	NE	1,140	20,800	NE		< 215	47.7 J	74.4 J	< 29.3	< 29.1	< 30.1	162 J	< 26.6	1080	< 43.7	< 586	< 721	< 139	< 29.2	< 500	< 27.2
Benzo(a)pyrene	50-32-8	NE	115	2,110	470		< 209	85.2 J	118	< 28.5	39.7 J	< 29.3	177 J	28.1 J	907	< 42.4	< 570	< 701	< 135	< 28.3	587 J	< 26.5
Benzo(b)fluoranthene	205-99-2	NE	1,150	21,100	478.1		< 238	85.2 J	122	< 32.5	< 32.3	< 33.4	226 J	< 29.5	1430	< 48.4	< 650	< 800	< 154	< 32.4	< 554	< 30.2
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	NE		< 363	89.8 J	89.3 J	< 49.5	62.3 J	< 50.9	< 231	< 44.9	791	< 73.8	< 990	< 1220	< 235	< 49.3	< 844	< 46.0
Benzo(k)fluoranthene	207-08-9	NE	11,500	211,000	NE		< 332	71.9 J	111 J	< 45.3	< 45.1	< 46.6	< 211	< 41.1	554 J	< 67.5	< 906	< 1110	< 215	< 45.1	< 773	< 42.1
Chrysene	218-01-9	NE	115,000	2.11E+07	144.2		213 J	58.2 J	92.7 J	< 28.3	< 28.1	< 29.1	197 J	< 25.6	1160	< 42.2	< 566	< 696	< 134	< 28.2	< 482	< 26.3
Dibenzo(a,h)anthracene	53-70-3	NE	115	2.11E+03	NE		< 377	< 52.7	< 51.6	< 51.4	< 51.1	< 52.9	< 240	< 46.6	< 201	< 76.6	< 1030	< 1260	< 244	< 51.2	< 876	< 47.8
Fluoranthene	206-44-0	NE	2.39E+06	3.01E+07	88,877.8		257 J	63.8 J	145	< 26.8	32.4 J	< 27.5	297 J	< 24.3	3530	< 39.9	< 536	< 659	< 127	< 26.7	< 457	< 24.9
Fluorene	86-73-7	NE	2.39E+06	3.01E+07	14,829.9		< 162	< 22.7	< 22.2	< 22.1	< 22.0	< 22.7	< 103	< 20.0	< 86.7	< 33.0	< 442	< 544	< 105	< 22.0	< 377	< 20.6
Indeno(1,2,3-cd)pyrene	193-39-5	NE	1,150	21,100	NE		< 300	76.4 J	53.1 J	< 41.0	< 40.7	< 42.1	< 191	< 37.1	862	< 61.0	< 819	< 1010	< 194	< 40.8	732 J	< 38.1
Naphthalene	91-20-3	NE	5,520	24,100	658.2		< 485	< 67.8	< 66.4	< 66.2	< 65.8	< 68.0	< 309	< 60.0	< 259	< 98.6	< 1320	< 1630	< 314	< 65.9	< 1130	< 61.5
Phenanthrene	85-01-8	NE	NE	NE	NE		< 178	30.0 J	41.8 J	< 24.3	< 24.1	31.7	< 113	< 22.0	1590	< 36.2	< 486	< 597	< 115	< 24.2	< 414	< 22.6
Pyrene	129-00-0	NE	1.79E+06	2.26E+07	54,545.5		< 308	60.7 J	144	< 42.0	45.5 J	< 43.1	256 J	< 38.0	2290	< 62.5	< 839	< 1030	< 199	< 41.8	< 715	< 39.0
PER- and POLYFLUOROALKYL SUBSTANCES ³ (ug/kg)																						
PFOS	1763-23-1	NE	1,260	16,400	NE		---	---	0.22 J	---	---	---	---	< 0.17	---	---	---	---	---	---	1.0 J	---
VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																						
No VOCs Identified Above Method Detection Limit (MDL)							< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL

Notes
(mg/kg) = milligrams per kilogram (µg/kg) = micrograms per kilogram --- = not analyzed ppm = parts per million DC = Direct Contact GW = Groundwater
< = not detected above method detection limit J = concentration between detection limit and reporting limit BTV = Background Threshold Value NE = Not Established
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level PFOS = Perfluorooctanesulfonic acid
² RCLs & BTV are based on USEPA methodology; presented in WDNR Guidance, Soil RCL Determinations using USEPA Regional Screening Level Web Calculator (RR-890) and summarized in the WDNR's R&R Program RCE Spreadsheet (December 2018).
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes
⁴ Per WDNR guidance, metal concentrations below the BTV are considered to be representative of background conditions in Wisconsin soils and therefore, do not need to be identified as a regulatory standard exceedance even if above an RCL.
Exceeds the NR 720 Non-Industrial Direct Contact RCL: 100 Exceeds the NR 720 Industrial Direct Contact RCL: 100 Exceeds the NR 720 Groundwater Pathway RCL: 100 Exceeds the BTV: 100*

Table 1
Soil Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}				Location	SB-9	SB-9	SB-10	SB-10	SB-11	SB-11	SB-12	SB-12	SB-13	SB-13	SB-14	SB-14	SB-15	SB-15	SB-16	SB-16		
						Depth (ft)	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0 - 4	8 - 12	0.5 - 4	8 - 12	0 - 4	4 - 8	0 - 4	8 - 12	0 - 4	8 - 12		
Name & CAS #		BTV	Non Industrial DC	Industrial DC	GW	PID (ppm)	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1		
						Date	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/13/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20
PRIORITY POLLUTANT METALS ^{3,4} (mg/kg)																								
Antimony	7440-36-0	NE	31.3	467	0.542		1.4	J	< 0.83	< 0.81	< 0.81	< 0.80	< 0.86	< 0.86	< 0.78	< 0.87	< 0.76	< 1.1	4.5	< 0.96	< 0.79	< 0.88	< 0.82	
Arsenic	7440-38-2	8	0.677	3.0	0.584		< 1.9		< 1.5	< 1.5	< 1.5	< 1.5	< 1.6	< 1.6	< 1.4	< 1.6	< 1.4	< 2.1	3.2	J	3.0	J	< 1.5	
Beryllium	7440-41-7	NE	156	2,300	6.32		0.51		0.22	J	0.24	J	0.16	J	0.24	J	0.67	0.67	0.18	J	0.42	J	0.18	J
Cadmium	7440-43-9	1*	71	985	0.752		1.0		< 0.14	0.78	< 0.13	< 0.13	< 0.14	< 0.14	< 0.13	< 0.15	< 0.13	0.3	J	1.1*	0.51	J	< 0.13	
Chromium, Total ⁵	7440-47-3	44	100,000	100,000	360,000		14.4		6.6	6.7	7.3	8.5	8.4	8.4	7.2	7.8	6.7	7.8	12.5	13.1	11.7	7.7	8.0	
Copper	7440-50-8	35*	3,130	46,700	91.6		61.3*		8.4	11.5	9.3	10.9	5.3	5.3	7.1	35.9*	8.9	12.3	54.8*	27.8	13.4	7.1	13.1	
Lead	7439-92-1	52*	400	800	27		70.3*		5.4	12.9	1.4	J	2.3	9.6	9.6	1.3	J	30.4	2	20.2	209*	28.2	4.8	
Nickel	7440-02-0	31	1,550	22,500	13.06		13.9		6.9	6.0	6.7	9.0	5.5	5.5	6.7	14.9	6.4	4.6	10.2	14.4	11.1	6.8	7.9	
Selenium	7782-49-2	NE	391	5,840	0.52		2.5	J	< 1.4	< 1.3	< 1.3	< 1.3	< 1.4	< 1.4	< 1.3	< 1.4	< 1.3	< 1.9	< 2.0	< 1.6	< 1.3	< 1.4	< 1.3	
Silver	7440-22-4	NE	391	5,840	0.8491		< 0.39		< 0.32	< 0.31	< 0.31	< 0.31	< 0.33	< 0.33	< 0.3	< 0.34	< 0.29	< 0.4	< 0.47	< 0.37	< 0.30	< 0.34	< 0.31	
Thallium	7440-28-0	NE	0.782	11.7	0.284		1.2	J	0.80	< 0.79	0.84	J	< 0.78	1.5	J	1.5	J	0.97	J	< 0.85	< 0.74	1.1	J	
Zinc	7440-66-6	NE	23,500	100,000	NE		200		20.2	223	39.5	14.7	50.2	50.2	9.4	52.7	12.1	60.9	273	172	34.3	39.0	24.4	
Mercury	7439-97-6	NE	3.13	3.13	0.208		0.070		< 0.011	< 0.010	< 0.009	< 0.010	< 0.010	< 0.010	< 0.009	0.012	J	< 0.010	0.034	J	0.16	0.031	J	
Hexavalent Chromium	18540-29-9	NE	0.301	6.36	NE		---		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
SEMI-VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																								
Anthracene	120-12-7	NE	1.79E+07	1.00E+08	196,949		< 355		< 144	< 279	< 137	< 28.9	< 27.6	< 233	< 27.4	< 291	< 112	556	J	1500	J	< 349	< 27.9	
Benzo(a)anthracene	56-55-3	NE	1,140	20,800	NE		353	J	< 139	691	J	< 133	< 28.0	< 26.7	< 225	< 26.5	< 282	< 108	2390	6550	< 338	< 27.1	< 143	
Benzo(a)pyrene	50-32-8	NE	115	2,110	470		484	J	< 135	755	J	< 129	< 27.2	< 26.0	< 219	< 25.8	< 274	< 105	2630	9160	< 329	< 26.3	< 139	
Benzo(b)fluoranthene	205-99-2	NE	1,150	21,100	478.1		585	J	< 154	1080		< 147	< 31.1	< 29.7	< 250	< 29.4	< 313	< 120	3550	12100	< 375	< 30.0	< 159	
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	NE		626	J	< 235	653	J	< 224	< 47.4	< 45.2	< 381	< 44.8	< 477	< 183	2310	9320	< 571	< 45.7	< 242	
Benzo(k)fluoranthene	207-08-9	NE	11,500	211,000	NE		< 531		< 215	470	J	< 205	< 43.4	< 41.3	< 349	< 41.0	< 436	< 167	1370	4700	< 523	< 41.9	< 221	
Chrysene	218-01-9	NE	115,000	2.11E+07	144.2		451	J	< 134	949		< 128	< 27.1	< 25.8	< 218	< 25.6	< 272	< 105	2470	9540	< 327	< 26.1	< 138	
Dibenzo(a,h)anthracene	53-70-3	NE	115	2,110	NE		< 603		< 244	< 474	< 232	< 49.2	< 46.9	< 395	< 46.5	< 495	< 190	335	J	< 1440	< 593	< 47.5	< 251	
Fluoranthene	206-44-0	NE	2.39E+06	3.01E+07	88,877.8		820	J	< 127	3110	< 121	< 25.6	< 24.4	< 206	< 24.2	277	J	< 98.9	5420	21600	< 309	< 24.7	< 131	
Fluorene	86-73-7	NE	2.39E+06	3.01E+07	14,829.9		< 259		< 105	328	J	< 100	< 21.2	< 20.2	< 170	< 20.0	< 213	< 81.7	< 142	658	J	< 255	< 20.4	
Indeno(1,2,3-cd)pyrene	193-39-5	NE	1,150	21,100	NE		644	J	< 194	722	J	< 185	< 39.2	< 37.4	< 315	< 37.0	< 394	< 151	2360	9140	< 473	< 37.8	< 200	
Naphthalene	91-20-3	NE	5,520	24,100	658.2		< 776		< 314	655	J	< 299	< 63.3	< 60.4	< 509	< 59.9	< 637	< 244	< 424	< 1850	< 764	< 61.1	< 323	
Phenanthrene	85-01-8	NE	NE	NE	NE		442	J	< 115	2990	< 110	< 23.2	< 22.2	< 187	< 22.0	< 234	< 89.7	1780	13300	< 280	< 22.4	< 119	< 22.9	
Pyrene	129-00-0	NE	1.79E+06	2.26E+07	54,545.5		639	J	< 199	2000	< 190	< 40.1	< 38.3	< 323	< 37.9	< 404	< 155	4030	16200	< 484	< 38.8	< 205	< 39.5	
PER- and POLYFLUOROALKYL SUBSTANCES ³ (ug/kg)																								
PFOS	1763-23-1	NE	1,260	16,400	NE		---		---	---	---	---	---	---	---	---	---	1.0	J	---	---	< 0.23	---	
VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																								
No VOCs Identified Above Method Detection Limit (MDL)							< MDL		< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL		

Notes
(mg/kg) = milligrams per kilogram (µg/kg) = micrograms per kilogram --- = not analyzed ppm = parts per million DC = Direct Contact GW = Groundwater
< = not detected above method detection limit J = concentration between detection limit and reporting limit BTV = Background Threshold Value NE = Not Established
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level PFOS = Perfluorooctanesulfonic acid
² RCLs & BTV are based on USEPA methodology; presented in WDNR Guidance, Soil RCL Determinations using USEPA Regional Screening Level Web Calculator (RR-890) and summarized in the WDNR's R&R Program RCE Spreadsheet (December 2018).
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes
⁴ Per WDNR guidance, metal concentrations below the BTV are considered to be representative of background conditions in Wisconsin soils and therefore, do not need to be identified as a regulatory standard exceedance even if above an RCL.
Exceeds the NR 720 Non-Industrial Direct Contact RCL: 100 Exceeds the NR 720 Industrial Direct Contact RCL: 100 Exceeds the NR 720 Groundwater Pathway RCL: 100 Exceeds the BTV: 100*

Table 1
Soil Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}				Location	SB-17	SB-17	SB-18	SB-18	SB-19	SB-19	SBGW-1	SBGW-1	SBGW-2	SBGW-2	SBGW-3	SBGW-3											
						Depth (ft)	0 - 4	8 - 12	0.5 - 4	10 - 12	0.5 - 4	8 - 12	3 - 7	11 - 15	0.5 - 4	12 - 16	0 - 4	8 - 12											
Name & CAS #		BTV	Non Industrial DC	Industrial DC	GW	PID (ppm)	< 0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1											
						Date	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20	10/12/20											
PRIORITY POLLUTANT METALS ^{3,4} (mg/kg)																													
Antimony	7440-36-0	NE	31.3	467	0.542		1.2	J	3.7	< 0.92	< 0.82	< 0.80	< 0.78	< 0.96	< 0.79	< 0.94	< 0.83	< 4.7	< 0.83										
Arsenic	7440-38-2	8	0.677	3.0	0.584		< 1.5		< 2.5	< 1.7	< 1.5	< 1.5	< 1.4	< 1.8	< 1.4	< 1.7	< 1.5	< 8.7	< 1.5										
Beryllium	7440-41-7	NE	156	2,300	6.32		0.13	J	< 0.20	0.37	J	0.15	J	0.27	J	0.17	J	0.39	J	0.38	J	0.46	J	0.25	J	0.86	J	0.33	J
Cadmium	7440-43-9	1	71	985	0.752		0.21	J	0.25	J	0.15	< 0.14	0.13	< 0.13	0.46	J	< 0.13	< 0.16	< 0.14	< 0.79	< 0.14								
Chromium, Total ⁵	7440-47-3	44	100,000	100,000	360,000		8.1		3.2	J	9.7	4.3	9.2	10.2	15.0	6.1	13.7	15.4	8.8	19.3									
Copper	7440-50-8	35*	3,130	46,700	91.6		16.8		54.6*		7.6	7.0	10.3	8.9	15.1	2.2	12.4	21.2	6.4	23.0									
Lead	7439-92-1	52*	400	800	27		34.5		65.1*		20.2	0.71	J	4.5	1.5	J	20.7	12.4	9.0	2.7	15.1	3.2							
Nickel	7440-02-0	31	1,550	22,500	13.06		8.5		7.5		4.7	4.5	8.3	7.6	10.8	1.9	14.4	10.7	5.6	J	24.2								
Selenium	7782-49-2	NE	391	5,840	0.52		< 1.3		< 2.2	< 1.5	< 1.3	< 1.3	< 1.3	< 1.6	< 1.3	< 1.6	< 1.4	< 7.7	< 1.4										
Silver	7440-22-4	NE	391	5,840	0.8491		< 0.31		< 0.52	< 0.35	< 0.31	< 0.31	< 0.30	< 0.37	< 0.30	< 0.36	< 0.32	< 1.8	< 0.32										
Thallium	7440-28-0	NE	0.782	11.7	0.284		< 0.78		< 2.6	1.1	J	0.9	J	< 0.78	< 0.76	< 0.93	1.4	J	< 0.92	< 0.81	< 4.6	< 0.81							
Zinc	7440-66-6	NE	23,500	100,000	NE		44.7		84.9	49.1	7.3	25.0	13.1	76.6	39.8	34.5	13.5	78.5	24.0										
Mercury	7439-97-6	NE	3.13	3.13	0.208		0.028	J	< 0.016	0.018	J	0.010	< 0.010	< 0.009	0.050	< 0.010	< 0.011	< 0.009	< 0.011	< 0.010									
Hexavalent Chromium	18540-29-9	NE	0.301	6.36	NE		---		---	---	---	---	---	---	---	---	---	---	---										
SEMI-VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																													
Anthracene	120-12-7	NE	1.79E+07	1.00E+08	196,949		< 28.0		< 183	< 30.8	< 28.2	< 28.0	< 27.3	< 337	< 27.9	< 126	< 111	< 32.3	< 28.7										
Benzo(a)anthracene	56-55-3	NE	1,140	20,800	NE		< 27.1		< 178	79.6	J	< 27.4	< 27.2	< 26.5	< 326	< 27.0	< 122	< 108	< 31.3	< 27.8									
Benzo(a)pyrene	50-32-8	NE	115	2,110	470		< 26.4		< 173	91.8	J	< 26.6	< 26.4	< 25.7	< 317	< 26.2	< 119	< 105	< 30.4	< 27.0									
Benzo(b)fluoranthene	205-99-2	NE	1,150	21,100	478.1		< 30.1		< 197	119	< 30.4	< 30.1	< 29.4	< 362	< 30.0	< 136	< 119	< 34.8	< 30.8										
Benzo(g,h,i)perylene	191-24-2	NE	NE	NE	NE		< 45.8		< 300	105	J	< 46.2	50.9	J	< 44.7	< 551	< 45.6	< 207	< 182	< 52.9	< 46.9								
Benzo(k)fluoranthene	207-08-9	NE	11,500	211,000	NE		< 41.9		< 275	47.9	J	< 42.3	< 42.0	< 40.9	< 504	< 41.8	< 189	< 166	< 48.5	< 42.9									
Chrysene	218-01-9	NE	1.15E+05	2.11E+07	144.2		< 26.2		< 172	108	< 26.4	< 26.2	< 25.6	< 315	< 26.1	< 118	< 104	< 30.3	< 26.8										
Dibenzo(a,h)anthracene	53-70-3	NE	1.15E+02	2.11E+03	NE		< 47.6		< 312	< 52.3	< 48.0	< 47.6	< 46.4	< 572	< 47.4	< 215	< 189	< 55.0	< 48.7										
Fluoranthene	206-44-0	NE	2.39E+06	3.01E+07	88,877.8		40.5	J	< 162	198	< 25.0	< 24.8	< 24.2	< 298	< 24.7	123	J	< 98.4	< 28.6	< 25.4									
Fluorene	86-73-7	NE	2.39E+06	3.01E+07	14,829.9		< 20.5		< 134	< 22.5	< 20.7	< 20.5	< 20.0	< 246	< 20.4	< 92.4	< 81.3	< 23.7	< 21.0										
Indeno(1,2,3-cd)pyrene	193-39-5	NE	1,150	21,100	NE		< 37.9		< 248	70.9	J	< 38.2	< 37.9	< 37.0	< 456	< 37.7	< 171.0	< 150	< 43.8	< 38.8									
Naphthalene	91-20-3	NE	5,520	24,100	658.2		< 61.3		< 401	< 67.3	< 61.8	< 61.3	< 59.8	< 736	< 61.0	< 276	< 243	< 70.8	< 62.7										
Phenanthrene	85-01-8	NE	NE	NE	NE		32.5	J	< 147	111	< 22.7	< 22.5	< 21.9	< 270	< 22.4	< 101	< 89.2	< 26.0	< 23.0										
Pyrene	129-00-0	NE	1.79E+06	2.26E+07	54,545.5		< 38.8		< 254	171	< 39.2	< 38.9	< 37.9	< 467	< 38.7	< 175	< 154	< 44.9	< 39.7										
PER- and POLYFLUOROALKYL SUBSTANCES ³ (ug/kg)																													
PFOS	1763-23-1	NE	1,260	16,400	NE		---		---	---	---	---	0.2	J	---	---	---	---	---	---									
VOLATILE ORGANIC COMPOUNDS ³ (ug/kg)																													
No VOCs Identified Above Method Detection Limit (MDL)							< MDL		< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL	< MDL										

Notes
(mg/kg) = milligrams per kilogram (µg/kg) = micrograms per kilogram --- = not analyzed ppm = parts per million DC = Direct Contact GW = Groundwater
< = not detected above method detection limit J = concentration between detection limit and reporting limit BTV = Background Threshold Value NE = Not Established
¹ NR 720 RCL = Chapter NR 720, Wisconsin Administrative Code, Residual Contaminant Level PFOS = Perfluorooctanesulfonic acid
² RCLs & BTV are based on USEPA methodology; presented in WDNR Guidance, Soil RCL Determinations using USEPA Regional Screening Level Web Calculator (RR-890) and summarized in the WDNR's R&R Program RCE Spreadsheet (December 2018).
³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes
⁴ Per WDNR guidance, metal concentrations below the BTV are considered to be representative of background conditions in Wisconsin soils and therefore, do not need to be identified as a regulatory standard exceedance even if above an RCL.
Exceeds the NR 720 Non-Industrial Direct Contact RCL: 100 Exceeds the NR 720 Industrial Direct Contact RCL: 100 Exceeds the NR 720 Groundwater Pathway RCL: 100 Exceeds the BTV: 100*

Table 2
Groundwater Analytical Summary
1300 Cleveland Avenue
Wausau, WI

Laboratory Analytes		Wisconsin Regulatory Standards ^{1,2}		Location	SBGW-1	SBGW-2	SBGW-3
Name & CAS #		NR 140 PAL	NR 140 ES	Depth (ft)	~ 25 - 27	~ 29 - 31	~ 32 - 33
				Clarity	C	C	ST - MT
				Date	10/12/20	10/12/20	10/12/20
PRIORITY POLLUTANT METALS³ (µg/L)							
Arsenic	7440-38-2	1	10		0.45 J	< 0.28	< 0.28
Copper	7440-50-8	1,300	130		6.8	< 1.9	< 1.9
Nickel	7440-02-0	100	20		1.0	5.7	9.7
SEMI-VOLATILE ORGANIC COMPOUNDS³ (µg/L)							
Anthracene	120-12-7	600	3,000		0.082	0.090	0.26
Benzo(a)anthracene	56-55-3	NE	NE		0.011 J	< 0.0071	0.010 J
Benzo(b)fluoranthene	205-99-2	0.02	0.2		< 0.0052	< 0.0054	0.0054 J
Chrysene	218-01-9	0.02	0.2		0.027 J	0.020 J	0.052 J
Fluoranthene	206-44-0	80	400		0.010 J	0.013 J	0.017 J
Fluorene	86-73-7	80	400		< 0.0072	< 0.0074	0.030 J
Phenanthrene	85-01-8	NE	NE		0.095	0.072	0.044 J
Pyrene	129-00-0	50	250		0.014 J	0.018 J	0.020 J
VOLATILE ORGANIC COMPOUNDS³ (µg/L)							
No VOCs Identified Above Method Detection Limit (MDL)					< MDL	< MDL	< MDL

Notes

(µg/L) = micrograms per liter < = not detected above method detection limit

J = concentration between detection limit and reporting limit

NE = Not Established

-- = not analyzed

C = Clear

¹ NR 140 PAL = Chapter NR 140, Wisconsin Administrative Code, Preventive Action Limit

ST = Slightly Turbid

² NR 140 ES = Chapter NR 140, Wisconsin Administrative Code, Enforcement Standard

MT = Moderately Turbid

³ Only detected analytes are listed; refer to the laboratory analytical report for a full list of assessed analytes

Exceeds NR 140 PAL: 100

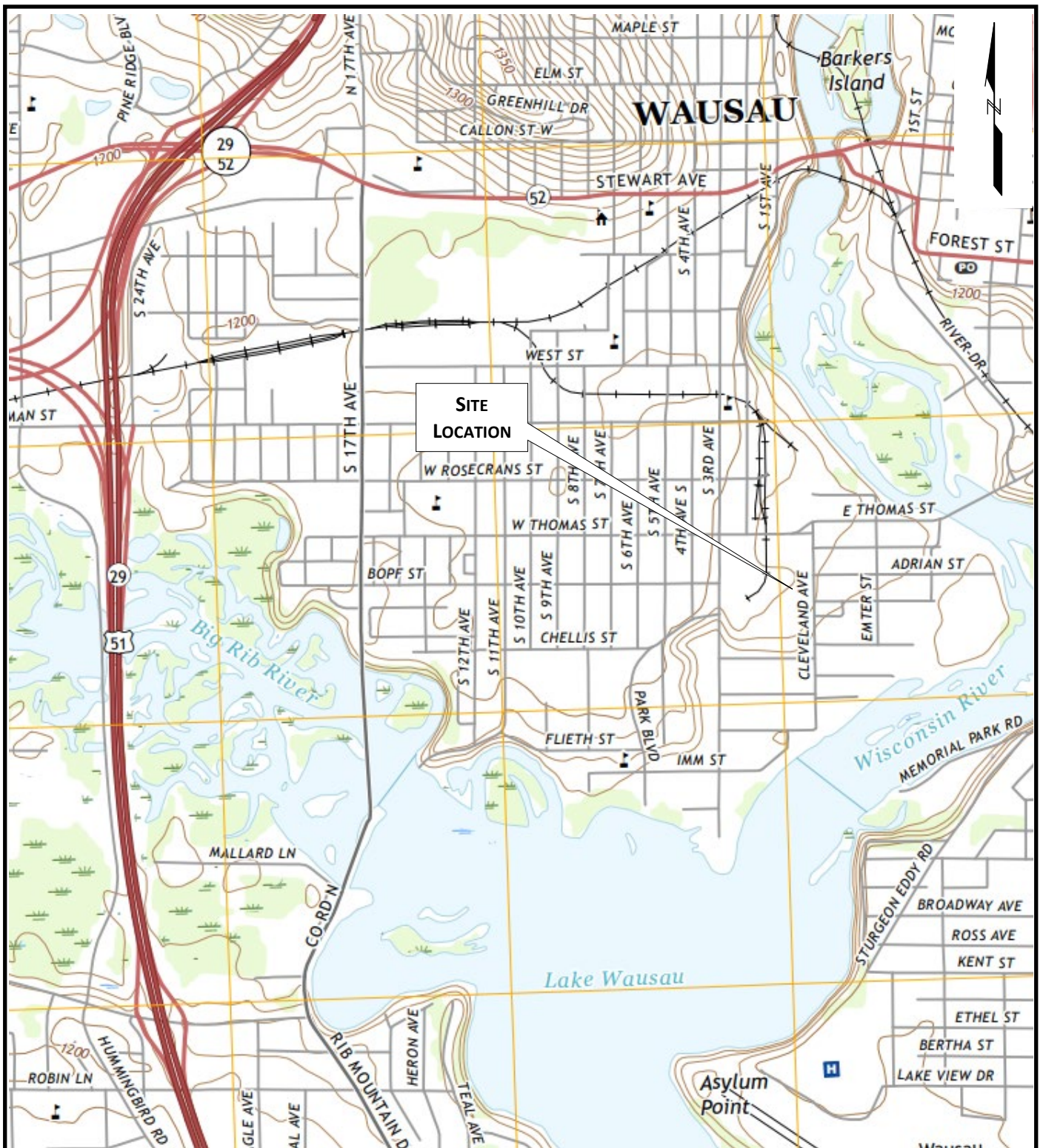
Exceeds NR 140 ES: 100

Figures

Figure 1 Site Location Map

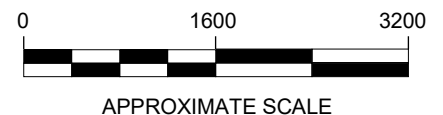
Figure 2 Site Zoning Map

Figure 3 Sample Location Diagram



NOTES:

1. BASED ON A 2018 USGS MAP (WAUSAU WEST, WI)



1300 Cleveland Avenue
Wausau, Wisconsin

City of Wausau
Wausau, Wisconsin

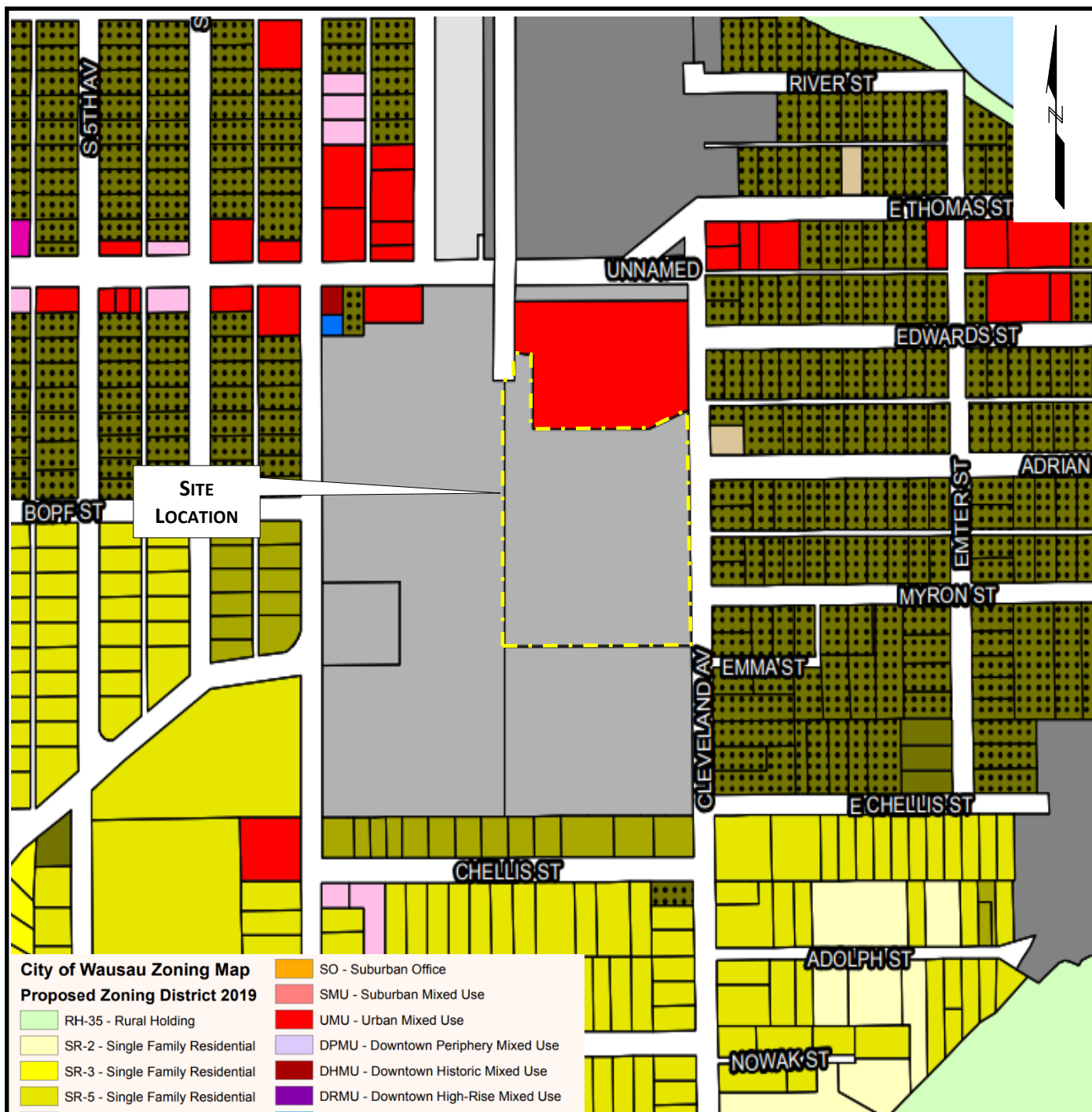


Project 2004400

SITE LOCATION MAP

January 2021

Fig. 1



City of Wausau Zoning Map

Proposed Zoning District 2019

RH-35 - Rural Holding	SO - Suburban Office
SR-2 - Single Family Residential	SMU - Suburban Mixed Use
SR-3 - Single Family Residential	UMU - Urban Mixed Use
SR-5 - Single Family Residential	DPMU - Downtown Periphery Mixed Use
SR-7 - Single Family Residential	DHMU - Downtown Historic Mixed Use
MH-7 - Mobile Home	DRMU - Downtown High-Rise Mixed Use
DR-8 - Duplex Residential	RP - Research Park
TF-10 - Two-Flat Residential	PUD - Planned Unit Development
TRD-12 - Townhome Residential	LI - Light Industrial
MRL-8 - Multi-Family Residential	MI - Medium Industrial
MRM-20 - Multi-Family Residential	HI - Heavy Industrial
MRH-50 - Multi-Family Residential	IOS - Intensive Outdoor Storage
I - Institutional	IOC - Intensive Outdoor Commercial
NMU - Neighborhood Mixed Use	AO - Adult Oriented Entertainment
	EX - Extraction/Disposal

NOTES:

1. BASED ON A CITY OF WAUSAU ZONING MAP (2019)

1300 Cleveland Avenue
Wausau, Wisconsin

City of Wausau
Wausau, Wisconsin

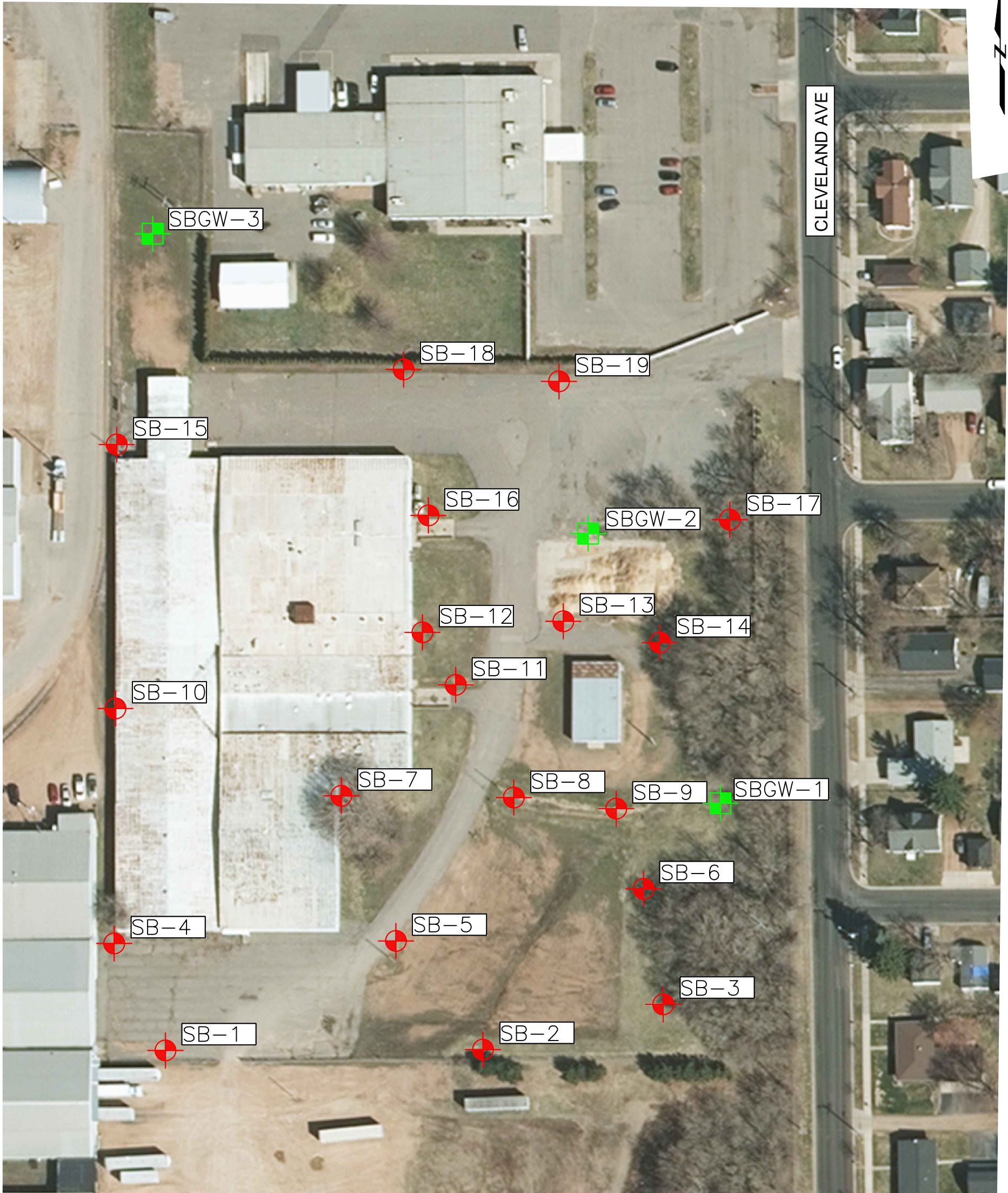


Project 2004400

SITE ZONING MAP

January 2021

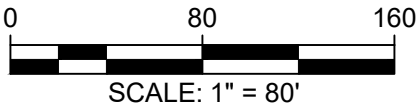
Fig. 2



LEGEND

- MONITORING WELL LOCATION  SBGW-2
- SOIL BORING LOCATION  SB-17

- NOTES:**
1. HORIZONTAL DATUM WISCONSIN MARATHON COUNTY COORDINATE SYSTEM.
 2. VERTICAL DATUM NAVD 88.
 3. BACKGROUND IMAGE FROM WDNR IMAGE BASEMAP SERVICE.



PHASE II SUBSURFACE ASSESSMENT
1300 CLEVELAND AVE
WAUSAU, WI

CITY OF WAUSAU
WAUSAU, WI



Project 2004400

SAMPLE LOCATION DIAGRAM

January 2021

Fig. 3

Appendix A

Soil Boring Logs

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 36	</												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
-------------	---------------------------	--------------------------	--

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 28			Fill: Brown silty fine sand, trace gravel	FILL			<0.1						
			2	Fill: Light brown to brown fine sand	FILL									
2 GP	48 36		4	Fill: Brown to reddish brown silty fine sand, trace green and white flecks	FILL									<0.1
			6	Fill: Light gray to brown silty fine sand	FILL									<0.1
3 GP	48 36		8	Fill: Light gray silty fine sand	FILL									<0.1
			8	Fill: Dark brown to black silty fine sand, trace wood	FILL									<0.1
			10	Possible Fill: Brown silty fine sand	SM									<0.1
			12	End of Boring at 12.0 feet Abandoned boring with bentonite										<0.1

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 36		2	Fill: Brown silty sand	FILL			0.1						
2 GP	48 30		4	Fill: Brown silty clay Fill: Brown silty fine sand, trace gravel	FILL			<0.1						
			6	Fill: Light gray silty fine sand	FILL			<0.1						
3 GP	48 36		8	Fill: Dark brown silty sand, trace clay	FILL			<0.1						
			10	Fill: Orangish brown and black silty sand, trace gravel	FILL			<0.1						
			12	Light brown gravelly sand	SP			<0.1						
				End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-4	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		2	Fill: Dark brown to black silty sand, trace gravel	FILL			<0.1						
				Fill: Brown medium sand, trace gravel	FILL			<0.1						
2 GP	48 36		4	Orangish brown medium sand, trace to some gravel	SP			<0.1						
			6					<0.1						
3 GP	48 36		8					<0.1						
			10					<0.1						
			12	Orangish brown, gravelly, medium to coarse sand	SP			<0.1						
				End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
--------------------------------	---

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-5	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ S ☐ E ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 18		2	Fill: Reddish brown coarse sand, some gravel	FILL			<0.1						
				Fill: Brown medium to coarse sand, trace gravel	FILL									
				Fill: Light gray silty fine sand	FILL									
2 GP	48 24		4	Fill: Black silty fine sand, trace clay	FILL			<0.1						
				Fill: Brownish black and light brown coarse sand, trace gravel	FILL									
3 GP	48 36		6	Fill: Light brown to black silty fine sand, trave gravel	FILL			<0.1						
				Fill: Light brown to black silty fine sand, trave gravel	FILL									
				Brown fine to medium sand, trace gravel	SP								<0.1	
													<0.1	
				End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-6	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		2	Fill: Brown fine sand	FILL			<0.1						
				Fill: Light brown fine sand, trace gravel	FILL									
2 GP	48 42		4	Fill: Dark brown silty fine sand	FILL			<0.1						
				Fill: Light gray silty fine sand	FILL									
3 GP	48 30		8		FILL			<0.1						
					FILL									
					FILL									
					FILL									
					FILL									
			10	Fill: Orange silty fine sand, some wood	FILL			<0.1						
				Fill: Dark brown to black silty fine sand	FILL									
				Brown fine to medium sand	SP									
			12	End of Boring at 12.0 feet Abandoned boring with bentonite				<0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-7	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
-------------	---------------------------	--------------------------	--

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		2	Fill: Dark gray fine sand	FILL			<0.1						
			2	Fill: Light gray silty fine sand	FILL			<0.1						
2 GP	48 30		4	Fill: Black fine sand	FILL			<0.1						
			6	Possible Fill: Dark brown medium sand, trace gravel	SP			<0.1						
3 GP	48 36		8	Brown medium sand	SP			<0.1						
			10	Brown fine sand	SP			<0.1						
			12	End of Boring at 12.0 feet Abandoned boring with bentonite				<0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBrasko</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
--------------------------------	---

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-8	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		2	Fill: Brown silty sand	FILL			<0.1						
				Fill: Dark brown to black silty fine sand	FILL									
				Fill: Light gray and black mixed silty fine sand	FILL									
2 GP	48 18		4	Possible Fill: Brown silty fine sand	SM			<0.1						
				Brown medium sand	SP									
3 GP	48 24		10					<0.1						
			12	End of Boring at 12.0 feet Abandoned boring with bentonite				<0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-9	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
-------------	---------------------------	--------------------------	--

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		2	Fill: Brown fine sand	FILL			<0.1						
2 GP	48 12		4	Fill: Dark brown to black silty fine sand, trace clay	FILL			<0.1						
			6	Fill: Light gray to brown silty fine sand, wet at 6.0 feet	FILL			<0.1						
8								<0.1						
3 GP	48 24		10	Brown medium to coarse sand, trace to some gravel	SP			<0.1						
			10	Light brown medium sand, trace gravel	SP			<0.1						
			12	End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
-----------------------------------	--

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-10	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
-------------	---------------------------	--------------------------	--

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 18		1	Fill: Dark brown medium to coarse sand, trace gravel	FILL			<0.1							
			2	Fill: Brown medium to coarse sand, trace to some gravel	FILL										<0.1
2 GP	48 30		4					<0.1							
			6	Fill: Light brown and gray medium to coarse gravel	FILL	<0.1									
3 GP	48 48			Reddish orange coarse sand, some gravel	SP			<0.1							
			8	Orangish brown medium sand, trace to some gravel	SP			<0.1							
				Brown gravelly medium to coarse sand	SP			<0.1							
			10	Light brown medium sand, trace gravel				<0.1							
			12	End of Boring at 12.0 feet Abandoned boring with bentonite											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-11	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 30			Fill: Brown medium to coarse sand, trace gravel	FILL			<0.1						
		2	Fill: Light brown silty fine sand	FILL										
			Fill: Brown medium sand, trace gravel	FILL										
		4	Fill: Dark brownish black and light gray silty fine sand	SM										
2 GP	48 30		Brown medium sand											
		6	Brown medium to coarse sand, trace to some gravel				<0.1	<0.1	<0.1	<0.1				
		8		SP										
3 GP	48 36													
		10	Light gray silty fine sand seam at 10.0 feet											
		12	End of Boring at 12.0 feet Abandoned boring with bentonite											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-12	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
1 GP	48 18			Fill: Dark brown fine sand	FILL			<0.1							
			2	Fill: Light gray silty fine sand	FILL										
2 GP	48 30		4	Fill: Gray and brown medium to coarse sand, trace gravel	FILL									<0.1	
			6	Dark brown medium sand	SP									<0.1	
3 GP	48 36		8	Light brown medium sand, trace gravel	SP									<0.1	
			10	Light brown fine to medium sand, trace gravel	SP									<0.1	
			12	End of Boring at 12.0 feet Abandoned boring with bentonite											<0.1

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-13	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/13/2020		Date Drilling Completed 10/13/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ S ☐ E ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments		
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
1 GP	48 30		0	Asphalt Pavement	ASPHAL			<0.1								
			2	Fill: Dark brown silty fine sand	FILL											
4	Brown fine to medium sand, trace gravel		FILL		<0.1											
6	Light brown medium sand, trace to some gravel		SP		<0.1											
8					<0.1											
10					<0.1											
12					<0.1											
End of Boring at 12.0 feet Abandoned boring with bentonite																

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-14	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ S ☐ E ☐ W	
SW 1/4 of SE 1/4 of Section 35 , T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 30		0	Fill: Black silty sand	FILL			<0.1						
			2	Fill: Light gray silty fine sand	FILL									
			4	Fill: Dark brown silty sand	FILL			0.1						
2 GP	48 12		4	Fill: Black sandy silt	FILL									
			5	Fill: Dark brown silty sand	FILL			<0.1						
			6	Fill: Black silty sand, trace gravel, trace wood with red and white flecks	FILL			<0.1						
			6	Wet at 6.0 feet				<0.1						
3 GP	48 12		8	Orangish brown fine to medium sand	SP			<0.1						
			10					<0.1						
			12					<0.1						
				End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-15	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments			
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200				
1 GP	48 24		1	Fill: Dark brown silty fine sand, trace gravel	FILL			<0.1									
			2	Fill: Dark brown silty clay	FILL												
				Fill: Dark brown silty fine sand	FILL												
2 GP	48 40		4	Fill: Brown fine to medium sand, trace to some gravel, trace metal fragments	FILL			<0.1						<0.1	<0.1	<0.1	<0.1
			6														
			8	Possible Fill: Brown medium to coarse sand, trace to some gravel	SP												
3 GP	48 48		10	Possible Fill: Dark brown to black sandy silt, trace gravel	SM			<0.1									
				Possible Fill: Light gray silty fine sand, trace to some gravel	SM												
			12	Brown gravelly coarse sand	SP										<0.1		
	End of Boring at 12.0 feet Abandoned boring with bentonite																

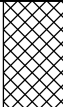
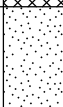
I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraska</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-16	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		2	Fill: Brown medium sand	FILL			<0.1						
2 GP	48 40		4	Fill: Dark gray medium to coarse sand, trace to some gravel	FILL			<0.1						
			6	Brown medium sand, trace gravel	SP			<0.1						
3 GP	8		<0.1											
	10		<0.1											
		12				<0.1								
			12	End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-17	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24			Fill: Dark gray to black fine sand, organic	FILL			<0.1						
			2	Fill: Brown medium sand, trace gravel	FILL			<0.1						
4	Fill: Dark grayish black fine sand		FILL	<0.1										
6	Fill: Light gray silty fine sand		FILL	<0.1										
8	Fill: Dark brown fine to medium sand, organic		FILL	<0.1										
10	Fill: Gray to brown silty fine sand		FILL	<0.1										
12	Fill: Dark grayish black fine sand, organic		FILL	<0.1										
	End of Boring at 12.0 feet Abandoned boring with bentonite													
2 GP	48 18													
3 GP	48 24													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-18	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E			MSL Lat _____ ' _____ " Long _____ ' _____ "		Local Grid Location Feet ☐ N ☐ S ☐ E ☐ W	

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 16													

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SB-19	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E			MSL Lat _____ ' _____ " Long _____ ' _____ "		Local Grid Location Feet ☐ N ☐ S ☐ E ☐ W	

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		0	Asphalt Pavement	ASPHAL			0.1						
			2	Fill: Brown to dark brown medium to coarse sand and gravel	FILL									
			4	Fill: Light brown silty fine to medium sand, trace to some gravel										
2 GP	48 36		6	Orangish brown medium sand, trace to some gravel	SP									
			8	Light gray fine sand seam at 5.0 feet										
			10											
3 GP	48 42		12	Brown gravelly medium to coarse sand	SP									
				End of Boring at 12.0 feet Abandoned boring with bentonite										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SBGW-1	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

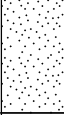
Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 24		0	Fill: Brown fine sand	FILL			0.1						
			2	Fill: Light gray silty fine sand, trace gravel				<0.1						
2 GP	48 24		4		FILL			<0.1						
			6					<0.1						
3 GP	48 24		8					<0.1						
			10	Fill: Dark brownish black silty sand, trace clay, trace gravel	FILL			<0.1						
4 GP	48 12		12	Brown fine to medium sand, trace gravel				<0.1						
			14		SP			<0.1						
5 GP	48 24		16					<0.1						
			18	Brown gravelly medium to coarse sand	SP			<0.1						
6 GP	48 24		20	Brown gravelly coarse sand				<0.1						
			22		SP			<0.1						
7	48		24					<0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Boring Number **SBGW-1** Use only as an attachment to Form 4400-122.

Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
GP	24		26	Brown gravelly coarse sand Wet at 25.0 feet	SP			<0.1							
			28	End of Boring at 28.0 feet Installed temporary well at 28.0 feet Removed well and abandoned boring with bentonite after sampling complete				<0.1							

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SBGW-2	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane N, E S/C/N			MSL Lat ° ' " Long ° ' "		Local Grid Location Feet ☐ N ☐ E ☐ S ☐ W	
SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E						

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample		Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 30		2	Asphalt Pavement Fill: Dark brownish black silty fine to medium sand, trace gravel	ASPHAL FILL			0.1						
2 GP	48 30		4	Orangish brown medium to coarse sand, trace gravel	SP			<0.1						
3 GP	48 36		6					<0.1						
			8	Orangish brown fine to medium sand	SP			<0.1						
			10	Light brown medium sand, trace to some gravel				<0.1						
4 GP	48 24		12					<0.1						
			14		SP			<0.1						
5 GP	48 36		16					<0.1						
			18	Light brown gravelly medium to coarse sand				<0.1						
6 GP	48 24		20					<0.1						
			22		SP			<0.1						
7	48		24					<0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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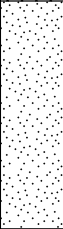
Boring Number SBGW-2

[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Redevelopment ☒ Other ☐

Facility/Project Name Phase II ESA - 1300 Cleveland Avenue - Wausau			License/Permit/Monitoring Number		Boring Number SBGW-3	
Boring Drilled By: Name of crew chief (first, last) and Firm Geiss Soil & Samples, LLC			Date Drilling Started 10/12/2020		Date Drilling Completed 10/12/2020	
Drilling Method Geoprobe						
WI Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Feet	Surface Elevation Feet MSL		Borehole Diameter 2.0 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☒ State Plane SW 1/4 of SE 1/4 of Section 35, T 29 N, R 7 E			MSL Lat _____ ' _____ " Long _____ ' _____ "		Local Grid Location Feet ☐ N ☐ S ☐ E ☐ W	

Facility ID	County Marathon	County Code 37	Civil Town/City/ or Village Wausau
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Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
1 GP	48 18		2	Fill: Brown coarse sand, trace gravel	FILL			<0.1						
				Gray sand seam at 2.5 feet				<0.1						
2 GP	48 30		4	Possible Fill: Dark brown coarse sand, some gravel				<0.1						
			6					<0.1						
3 GP	48 48		8		SP			<0.1						
			10					<0.1						
4 GP	48 48		12	Brown medium to coarse sand, trace to some gravel	SP			<0.1						
			14					<0.1						
5 GP	48 36		16	Brown fine to medium sand, some gravel	SP			<0.1						
			18					<0.1						
6 GP	48 36		20	Brown medium to coarse sand, trace to some gravel	SP			<0.1						
			22					<0.1						
7	48		24	Brown fine to medium sand, some gravel	SP			<0.1						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Mike DeBraske</i>	Firm GEI Consultants, Inc. - 3159 Voyager Drive Green Bay, WI 54311 920-455-8200
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Boring Number SBGW-3

[illegible]

Appendix B

Photographic Log

PHOTOGRAPHIC LOG

PHOTOGRAPH NO: 1	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: E-NE	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking toward entrance to site off Cleveland Avenue.			

PHOTOGRAPH NO: 2	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: W	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking along the northern site boundary.			

PHOTOGRAPHIC LOG

PHOTOGRAPH NO: 3	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: N	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking toward being location SBGW-3 in the far northwest corner of the site.			

PHOTOGRAPH NO: 4	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: SE	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking from northwest portion of the site across the slab foundation associated with the industrial building razed in 2019.			

PHOTOGRAPHIC LOG

PHOTOGRAPH NO: 5	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: S	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking along the western site boundary toward location SB-15.			

PHOTOGRAPH NO: 6	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: W	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking along drainage swale to the south of the storage building and toward boring locations SB-8 and SB-9.			

PHOTOGRAPHIC LOG

PHOTOGRAPH NO: 7	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: W	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking beyond boring location SB-14 positioned to the northeast of the storage building.			

PHOTOGRAPH NO: 8	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: SW	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking across southern portion of the site toward boring locations SB-2 and SB-5.			

PHOTOGRAPHIC LOG

PHOTOGRAPH NO: 9	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: W-SW	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking beyond the abandoned borehole associated with boring SBGW-2.			

PHOTOGRAPH NO: 10	DATE: October 2020	GEI PROJECT NO: 2004400	CLIENT: City of Wausau
DIRECTION: W	SITE LOCATION: 1300 Cleveland Avenue, Wausau, WI		
DESCRIPTION: Looking beyond the abandoned borehole associated with boring SB-16.			

Appendix C

Laboratory Analytical Reports

November 04, 2020

Mike Debraske
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

Dear Mike Debraske:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace National - Mt. Juliet
- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150

Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122
Alabama Certification #: 40660
Alaska Certification 17-026
Arizona Certification #: AZ0612
Arkansas Certification #: 88-0469
California Certification #: 2932
Canada Certification #: 1461.01
Colorado Certification #: TN00003
Connecticut Certification #: PH-0197
DOD Certification: #1461.01
EPA# TN00003
Florida Certification #: E87487
Georgia DW Certification #: 923
Georgia Certification: NELAP
Idaho Certification #: TN00003
Illinois Certification #: 200008
Indiana Certification #: C-TN-01
Iowa Certification #: 364
Kansas Certification #: E-10277
Kentucky UST Certification #: 16
Kentucky Certification #: 90010
Louisiana Certification #: AI30792
Louisiana DW Certification #: LA180010
Maine Certification #: TN0002
Maryland Certification #: 324
Massachusetts Certification #: M-TN003
Michigan Certification #: 9958
Minnesota Certification #: 047-999-395
Mississippi Certification #: TN00003
Missouri Certification #: 340
Montana Certification #: CERT0086
Nebraska Certification #: NE-OS-15-05

Nevada Certification #: TN-03-2002-34
New Hampshire Certification #: 2975
New Jersey Certification #: TN002
New Mexico DW Certification
New York Certification #: 11742
North Carolina Aquatic Toxicity Certification #: 41
North Carolina Drinking Water Certification #: 21704
North Carolina Environmental Certificate #: 375
North Dakota Certification #: R-140
Ohio VAP Certification #: CL0069
Oklahoma Certification #: 9915
Oregon Certification #: TN200002
Pennsylvania Certification #: 68-02979
Rhode Island Certification #: LAO00356
South Carolina Certification #: 84004
South Dakota Certification
Tennessee DW/Chem/Micro Certification #: 2006
Texas Certification #: T 104704245-17-14
Texas Mold Certification #: LAB0152
USDA Soil Permit #: P330-15-00234
Utah Certification #: TN00003
Vermont Dept. of Health: ID# VT-2006
Virginia Certification #: VT2006
Virginia Certification #: 460132
Washington Certification #: C847
West Virginia Certification #: 233
Wisconsin Certification #: 998093910
Wyoming UST Certification #: via A2LA 2926.01
A2LA-ISO 17025 Certification #: 1461.01
A2LA-ISO 17025 Certification #: 1461.02
AIHA-LAP/LLC EMLAP Certification #:100789

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40216442001	SB-1 (4'-8')	Solid	10/12/20 13:25	10/13/20 15:39
40216442002	SB-1 (8'-12')	Solid	10/12/20 13:30	10/13/20 15:39
40216442003	SB-2 (0'-4')	Solid	10/12/20 15:20	10/13/20 15:39
40216442004	SB-2 (4'-8')	Solid	10/12/20 15:30	10/13/20 15:39
40216442005	SB-3 (0'-4')	Solid	10/12/20 15:00	10/13/20 15:39
40216442006	SB-3 (8'-12')	Solid	10/12/20 15:10	10/13/20 15:39
40216442007	SB-4 (0.5'-4')	Solid	10/12/20 13:50	10/13/20 15:39
40216442008	SB-4 (8'-12')	Solid	10/12/20 14:00	10/13/20 15:39
40216442009	SB-7 (0'-4')	Solid	10/12/20 13:10	10/13/20 15:39
40216442010	SB-7 (8'-12')	Solid	10/12/20 13:20	10/13/20 15:39
40216442011	SB-8 (0'-4')	Solid	10/12/20 14:30	10/13/20 15:39
40216442012	SB-8 (8'-12')	Solid	10/12/20 14:40	10/13/20 15:39
40216442013	SB-14 (0'-4')	Solid	10/12/20 15:55	10/13/20 15:39
40216442014	SB-14 (4'-8')	Solid	10/12/20 16:00	10/13/20 15:39
40216442015	SB-15 (0'-4')	Solid	10/12/20 16:45	10/13/20 15:39
40216442016	SB-15 (8'-12')	Solid	10/12/20 16:50	10/13/20 15:39
40216442017	SB-16 (0'-4')	Solid	10/12/20 12:10	10/13/20 15:39
40216442018	SB-16 (8'-12')	Solid	10/12/20 12:15	10/13/20 15:39
40216442019	SB-17 (0'-4')	Solid	10/12/20 12:30	10/13/20 15:39
40216442020	SB-17 (8'-12')	Solid	10/12/20 12:40	10/13/20 15:39
40216442021	SB-18 (0.5'-4')	Solid	10/12/20 11:50	10/13/20 15:39
40216442022	SB-18 (10'-12')	Solid	10/12/20 12:00	10/13/20 15:39
40216442023	SB-19 (0.5'-4')	Solid	10/12/20 16:20	10/13/20 15:39
40216442024	SB-19 (8'-12')	Solid	10/12/20 16:30	10/13/20 15:39
40216442025	SB-5 (0'-4')	Solid	10/13/20 09:15	10/13/20 15:39
40216442026	SB-5 (8'-12')	Solid	10/13/20 09:20	10/13/20 15:39
40216442027	SB-6 (0'-4')	Solid	10/13/20 08:50	10/13/20 15:39
40216442028	SB-6 (8'-12')	Solid	10/13/20 08:55	10/13/20 15:39
40216442029	SB-9 (0'-4')	Solid	10/13/20 08:30	10/13/20 15:39
40216442030	SB-9 (8'-12')	Solid	10/13/20 08:35	10/13/20 15:39
40216442031	SB-10 (0'-4')	Solid	10/13/20 09:35	10/13/20 15:39
40216442032	SB-10 (8'-12')	Solid	10/13/20 09:40	10/13/20 15:39
40216442033	SB-11 (0'-4')	Solid	10/13/20 08:15	10/13/20 15:39
40216442034	SB-11 (8'-12')	Solid	10/13/20 08:20	10/13/20 15:39
40216442035	SB-12 (0'-4')	Solid	10/13/20 07:35	10/13/20 15:39
40216442036	SB-12 (8'-12')	Solid	10/13/20 07:45	10/13/20 15:39
40216442037	SB-13 (0.5'-4')	Solid	10/13/20 07:55	10/13/20 15:39

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40216442038	SB-13 (8'-12')	Solid	10/13/20 08:00	10/13/20 15:39
40216442039	SBGW-1 (3'-7')	Solid	10/12/20 07:45	10/13/20 15:39
40216442040	SBGW-1 (11'-15')	Solid	10/12/20 08:05	10/13/20 15:39
40216442041	SBGW-2 (0.5'-4')	Solid	10/12/20 09:00	10/13/20 15:39
40216442042	SBGW-2 (12'-16')	Solid	10/12/20 09:05	10/13/20 15:39
40216442043	SBGW-3 (0'-4')	Solid	10/12/20 10:35	10/13/20 15:39
40216442044	SBGW-3 (8'-12')	Solid	10/12/20 10:50	10/13/20 15:39

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216442001	SB-1 (4'-8')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		SM 2540G	KBC	1	PAN
		EPA 7196A	KEG	1	PAN
40216442002	SB-1 (8'-12')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442003	SB-2 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442004	SB-2 (4'-8')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442005	SB-3 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442006	SB-3 (8'-12')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	MDS	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442007	SB-4 (0.5'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216442008	SB-4 (8'-12')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442009	SB-7 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442010	SB-7 (8'-12')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442011	SB-8 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442012	SB-8 (8'-12')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442013	SB-14 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442014	SB-14 (4'-8')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442015	SB-15 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216442016	SB-15 (8'-12')	EPA 8270	RJN	24	PASI-G
		EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
40216442017	SB-16 (0'-4')	EPA 8260	ALD	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	ALD	65	PASI-G
40216442018	SB-16 (8'-12')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442019	SB-17 (0'-4')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
40216442020	SB-17 (8'-12')	EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
40216442021	SB-18 (0.5'-4')	EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442022	SB-18 (10'-12')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216442023	SB-19 (0.5'-4')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442024	SB-19 (8'-12')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	24	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442025	SB-5 (0'-4')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442026	SB-5 (8'-12')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442027	SB-6 (0'-4')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442028	SB-6 (8'-12')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442029	SB-9 (0'-4')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442030	SB-9 (8'-12')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216442031	SB-10 (0'-4')	EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442032	SB-10 (8'-12')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
40216442033	SB-11 (0'-4')	EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40216442034	SB-11 (8'-12')	EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442035	SB-12 (0'-4')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
40216442036	SB-12 (8'-12')	EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
		EPA 8260	SMT	65	PASI-G
40216442037	SB-13 (0.5'-4')	ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216442038	SB-13 (8'-12')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442039	SBGW-1 (3'-7')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442040	SBGW-1 (11'-15')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442041	SBGW-2 (0.5'-4')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442042	SBGW-2 (12'-16')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442043	SBGW-3 (0'-4')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G
40216442044	SBGW-3 (8'-12')	EPA 8260	SMT	65	PASI-G
		ASTM D2974-87	AH	1	PASI-G
		EPA 6010	TXW	12	PASI-G
		EPA 7471	AJT	1	PASI-G
		EPA 8270	RJN	23	PASI-G

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
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PAN = Pace National - Mt. Juliet

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442001	SB-1 (4'-8')					
EPA 6010	Arsenic	7.0	mg/kg	4.1	10/16/20 19:08	
EPA 6010	Beryllium	0.49J	mg/kg	0.66	10/16/20 19:08	
EPA 6010	Cadmium	0.27J	mg/kg	0.83	10/16/20 19:08	
EPA 6010	Chromium	55.4	mg/kg	1.7	10/16/20 19:08	MO
EPA 6010	Copper	31.3	mg/kg	1.7	10/16/20 19:08	MO
EPA 6010	Lead	32.5	mg/kg	3.3	10/16/20 19:08	
EPA 6010	Nickel	15.1	mg/kg	1.7	10/16/20 19:08	
EPA 6010	Thallium	1.7J	mg/kg	6.6	10/16/20 19:08	
EPA 6010	Zinc	87.1	mg/kg	6.6	10/16/20 19:08	MO
EPA 8270	Chrysene	213J	ug/kg	692	10/19/20 11:49	
EPA 8270	Fluoranthene	257J	ug/kg	655	10/19/20 11:49	
ASTM D2974-87	Percent Moisture	39.8	%	0.10	10/14/20 08:19	
SM 2540G	Total Solids	72.1	%		11/02/20 14:37	
40216442002	SB-1 (8'-12')					
EPA 6010	Beryllium	0.24J	mg/kg	0.46	10/16/20 19:22	
EPA 6010	Chromium	12.4	mg/kg	1.1	10/16/20 19:22	
EPA 6010	Copper	11.0	mg/kg	1.1	10/16/20 19:22	
EPA 6010	Lead	2.1J	mg/kg	2.3	10/16/20 19:22	
EPA 6010	Nickel	9.0	mg/kg	1.1	10/16/20 19:22	
EPA 6010	Zinc	16.6	mg/kg	4.6	10/16/20 19:22	
EPA 8270	Benzo(a)anthracene	47.7J	ug/kg	100	10/20/20 12:25	
EPA 8270	Benzo(a)pyrene	85.2J	ug/kg	97.2	10/20/20 12:25	
EPA 8270	Benzo(b)fluoranthene	85.2J	ug/kg	111	10/20/20 12:25	
EPA 8270	Benzo(g,h,i)perylene	89.8J	ug/kg	169	10/20/20 12:25	
EPA 8270	Benzo(k)fluoranthene	71.9J	ug/kg	155	10/20/20 12:25	
EPA 8270	Chrysene	58.2J	ug/kg	96.6	10/20/20 12:25	
EPA 8270	Fluoranthene	63.8J	ug/kg	91.4	10/20/20 12:25	
EPA 8270	Indeno(1,2,3-cd)pyrene	76.4J	ug/kg	140	10/20/20 12:25	
EPA 8270	Phenanthrene	30.0J	ug/kg	82.9	10/20/20 12:25	
EPA 8270	Pyrene	60.7J	ug/kg	143	10/20/20 12:25	
ASTM D2974-87	Percent Moisture	13.7	%	0.10	10/14/20 08:19	
40216442003	SB-2 (0'-4')					
EPA 6010	Arsenic	2.1J	mg/kg	2.7	10/16/20 19:27	
EPA 6010	Beryllium	0.25J	mg/kg	0.44	10/16/20 19:27	
EPA 6010	Cadmium	0.33J	mg/kg	0.55	10/16/20 19:27	
EPA 6010	Chromium	40.9	mg/kg	1.1	10/16/20 19:27	
EPA 6010	Copper	9.4	mg/kg	1.1	10/16/20 19:27	
EPA 6010	Lead	15.9	mg/kg	2.2	10/16/20 19:27	
EPA 6010	Nickel	8.3	mg/kg	1.1	10/16/20 19:27	
EPA 6010	Thallium	1.1J	mg/kg	4.4	10/16/20 19:27	
EPA 6010	Zinc	63.7	mg/kg	4.4	10/16/20 19:27	
EPA 7471	Mercury	0.089	mg/kg	0.036	10/15/20 13:02	
EPA 8270	Benzo(a)anthracene	74.4J	ug/kg	98.0	10/19/20 09:01	
EPA 8270	Benzo(a)pyrene	118	ug/kg	95.3	10/19/20 09:01	
EPA 8270	Benzo(b)fluoranthene	122	ug/kg	109	10/19/20 09:01	
EPA 8270	Benzo(g,h,i)perylene	89.3J	ug/kg	166	10/19/20 09:01	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442003	SB-2 (0'-4')					
EPA 8270	Benzo(k)fluoranthene	111J	ug/kg	152	10/19/20 09:01	
EPA 8270	Chrysene	92.7J	ug/kg	94.7	10/19/20 09:01	
EPA 8270	Fluoranthene	145	ug/kg	89.6	10/19/20 09:01	
EPA 8270	Indeno(1,2,3-cd)pyrene	53.1J	ug/kg	137	10/19/20 09:01	
EPA 8270	Phenanthrene	41.8J	ug/kg	81.2	10/19/20 09:01	
EPA 8270	Pyrene	144	ug/kg	140	10/19/20 09:01	
ASTM D2974-87	Percent Moisture	12.2	%	0.10	10/14/20 08:19	
40216442004	SB-2 (4'-8')					
EPA 6010	Beryllium	0.41J	mg/kg	0.42	10/16/20 19:29	
EPA 6010	Chromium	5.6	mg/kg	1.1	10/16/20 19:29	
EPA 6010	Copper	4.9	mg/kg	1.1	10/16/20 19:29	
EPA 6010	Lead	11.7	mg/kg	2.1	10/16/20 19:29	
EPA 6010	Nickel	1.6	mg/kg	1.1	10/16/20 19:29	
EPA 6010	Thallium	0.87J	mg/kg	4.2	10/16/20 19:29	
EPA 6010	Zinc	32.6	mg/kg	4.2	10/16/20 19:29	
ASTM D2974-87	Percent Moisture	11.9	%	0.10	10/14/20 08:19	
40216442005	SB-3 (0'-4')					
EPA 6010	Beryllium	0.24J	mg/kg	0.44	10/16/20 19:32	
EPA 6010	Cadmium	0.19J	mg/kg	0.56	10/16/20 19:32	
EPA 6010	Chromium	18.3	mg/kg	1.1	10/16/20 19:32	
EPA 6010	Copper	7.7	mg/kg	1.1	10/16/20 19:32	
EPA 6010	Lead	15.0	mg/kg	2.2	10/16/20 19:32	
EPA 6010	Nickel	6.1	mg/kg	1.1	10/16/20 19:32	
EPA 6010	Thallium	0.87J	mg/kg	4.4	10/16/20 19:32	
EPA 6010	Zinc	61.4	mg/kg	4.4	10/16/20 19:32	
EPA 7471	Mercury	0.055	mg/kg	0.038	10/15/20 13:07	
EPA 8270	Benzo(a)pyrene	39.7J	ug/kg	94.4	10/16/20 15:24	
EPA 8270	Benzo(g,h,i)perylene	62.3J	ug/kg	164	10/16/20 15:24	
EPA 8270	Fluoranthene	32.4J	ug/kg	88.8	10/16/20 15:24	
EPA 8270	Pyrene	45.5J	ug/kg	139	10/16/20 15:24	
ASTM D2974-87	Percent Moisture	11.3	%	0.10	10/14/20 08:19	
40216442006	SB-3 (8'-12')					
EPA 6010	Arsenic	3.1	mg/kg	2.8	10/16/20 19:34	
EPA 6010	Beryllium	1.3	mg/kg	0.45	10/16/20 19:34	
EPA 6010	Chromium	11.4	mg/kg	1.1	10/16/20 19:34	
EPA 6010	Copper	8.8	mg/kg	1.1	10/16/20 19:34	
EPA 6010	Lead	43.6	mg/kg	2.2	10/16/20 19:34	
EPA 6010	Nickel	5.5	mg/kg	1.1	10/16/20 19:34	
EPA 6010	Thallium	1.3J	mg/kg	4.5	10/16/20 19:34	
EPA 6010	Zinc	118	mg/kg	4.5	10/16/20 19:34	
EPA 8270	Phenanthrene	31.7J	ug/kg	83.2	10/16/20 15:45	
ASTM D2974-87	Percent Moisture	14.2	%	0.10	10/14/20 08:19	
40216442007	SB-4 (0.5'-4')					
EPA 6010	Beryllium	0.27J	mg/kg	0.42	10/16/20 19:36	
EPA 6010	Chromium	7.6	mg/kg	1.1	10/16/20 19:36	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442007	SB-4 (0.5'-4')					
EPA 6010	Copper	8.3	mg/kg	1.1	10/16/20 19:36	
EPA 6010	Lead	4.6	mg/kg	2.1	10/16/20 19:36	
EPA 6010	Nickel	5.2	mg/kg	1.1	10/16/20 19:36	
EPA 6010	Thallium	1.0J	mg/kg	4.2	10/16/20 19:36	
EPA 6010	Zinc	37.7	mg/kg	4.2	10/16/20 19:36	
EPA 8270	Benzo(a)anthracene	162J	ug/kg	456	10/19/20 12:10	
EPA 8270	Benzo(a)pyrene	177J	ug/kg	443	10/19/20 12:10	
EPA 8270	Benzo(b)fluoranthene	226J	ug/kg	506	10/19/20 12:10	
EPA 8270	Chrysene	197J	ug/kg	440	10/19/20 12:10	
EPA 8270	Fluoranthene	297J	ug/kg	417	10/19/20 12:10	
EPA 8270	Pyrene	256J	ug/kg	653	10/19/20 12:10	
ASTM D2974-87	Percent Moisture	5.5	%	0.10	10/14/20 08:20	
40216442008	SB-4 (8'-12')					
EPA 6010	Beryllium	0.27J	mg/kg	0.40	10/16/20 19:39	
EPA 6010	Chromium	13.0	mg/kg	1.0	10/16/20 19:39	
EPA 6010	Copper	15.3	mg/kg	1.0	10/16/20 19:39	
EPA 6010	Lead	2.2	mg/kg	2.0	10/16/20 19:39	
EPA 6010	Nickel	11.5	mg/kg	1.0	10/16/20 19:39	
EPA 6010	Zinc	18.2	mg/kg	4.0	10/16/20 19:39	
EPA 8270	Benzo(a)pyrene	28.1J	ug/kg	86.0	10/20/20 12:46	
ASTM D2974-87	Percent Moisture	2.5	%	0.10	10/14/20 08:20	
40216442009	SB-7 (0'-4')					
EPA 6010	Beryllium	0.30J	mg/kg	0.42	10/16/20 19:46	
EPA 6010	Chromium	0.55J	mg/kg	1.0	10/16/20 19:46	
EPA 6010	Copper	3.4	mg/kg	1.0	10/16/20 19:46	
EPA 6010	Lead	6.2	mg/kg	2.1	10/16/20 19:46	
EPA 6010	Nickel	0.77J	mg/kg	1.0	10/16/20 19:46	
EPA 6010	Silver	0.33J	mg/kg	1.0	10/16/20 19:46	
EPA 6010	Thallium	1.4J	mg/kg	4.2	10/16/20 19:46	
EPA 6010	Zinc	38.9	mg/kg	4.2	10/16/20 19:46	
ASTM D2974-87	Percent Moisture	6.9	%	0.10	10/14/20 08:20	
40216442010	SB-7 (8'-12')					
EPA 6010	Beryllium	0.19J	mg/kg	0.42	10/16/20 19:48	
EPA 6010	Chromium	6.3	mg/kg	1.1	10/16/20 19:48	
EPA 6010	Copper	7.1	mg/kg	1.1	10/16/20 19:48	
EPA 6010	Lead	1.6J	mg/kg	2.1	10/16/20 19:48	
EPA 6010	Nickel	6.7	mg/kg	1.1	10/16/20 19:48	
EPA 6010	Zinc	9.6	mg/kg	4.2	10/16/20 19:48	
ASTM D2974-87	Percent Moisture	11.4	%	0.10	10/14/20 08:20	
40216442011	SB-8 (0'-4')					
EPA 6010	Antimony	4.5	mg/kg	3.8	10/16/20 19:51	
EPA 6010	Arsenic	9.3	mg/kg	4.8	10/16/20 19:51	
EPA 6010	Cadmium	0.87J	mg/kg	0.95	10/16/20 19:51	
EPA 6010	Chromium	7.7	mg/kg	3.8	10/19/20 13:40	
EPA 6010	Copper	75.8	mg/kg	1.9	10/16/20 19:51	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442011	SB-8 (0'-4')					
EPA 6010	Lead	35.9	mg/kg	7.6	10/19/20 13:40	
EPA 6010	Nickel	10.6	mg/kg	1.9	10/16/20 19:51	
EPA 6010	Zinc	349	mg/kg	7.6	10/16/20 19:51	
EPA 7471	Mercury	0.024J	mg/kg	0.067	10/15/20 13:35	
EPA 8270	Benzo(a)pyrene	587J	ug/kg	1620	10/20/20 13:07	
EPA 8270	Indeno(1,2,3-cd)pyrene	732J	ug/kg	2330	10/20/20 13:07	
ASTM D2974-87	Percent Moisture	48.2	%	0.10	10/14/20 08:20	
40216442012	SB-8 (8'-12')					
EPA 6010	Beryllium	0.12J	mg/kg	0.39	10/16/20 19:54	
EPA 6010	Chromium	5.2	mg/kg	0.97	10/16/20 19:54	
EPA 6010	Copper	5.1	mg/kg	0.97	10/16/20 19:54	
EPA 6010	Lead	0.87J	mg/kg	1.9	10/16/20 19:54	
EPA 6010	Nickel	4.7	mg/kg	0.97	10/16/20 19:54	
EPA 6010	Zinc	7.9	mg/kg	3.9	10/16/20 19:54	
ASTM D2974-87	Percent Moisture	4.9	%	0.10	10/14/20 08:20	
40216442013	SB-14 (0'-4')					
EPA 6010	Beryllium	0.32J	mg/kg	0.57	10/16/20 19:56	
EPA 6010	Cadmium	0.30J	mg/kg	0.71	10/16/20 19:56	
EPA 6010	Chromium	7.8	mg/kg	1.4	10/16/20 19:56	
EPA 6010	Copper	12.3	mg/kg	1.4	10/16/20 19:56	
EPA 6010	Lead	20.2	mg/kg	2.8	10/16/20 19:56	
EPA 6010	Nickel	4.6	mg/kg	1.4	10/16/20 19:56	
EPA 6010	Thallium	1.1J	mg/kg	5.7	10/16/20 19:56	
EPA 6010	Zinc	60.9	mg/kg	5.7	10/16/20 19:56	
EPA 7471	Mercury	0.034J	mg/kg	0.046	10/15/20 13:44	
EPA 8270	Anthracene	556J	ug/kg	646	10/19/20 12:31	
EPA 8270	Benzo(a)anthracene	2390	ug/kg	626	10/19/20 12:31	
EPA 8270	Benzo(a)pyrene	2630	ug/kg	608	10/19/20 12:31	
EPA 8270	Benzo(b)fluoranthene	3550	ug/kg	694	10/19/20 12:31	
EPA 8270	Benzo(g,h,i)perylene	2310	ug/kg	1060	10/19/20 12:31	
EPA 8270	Benzo(k)fluoranthene	1370	ug/kg	967	10/19/20 12:31	
EPA 8270	Chrysene	2470	ug/kg	604	10/19/20 12:31	
EPA 8270	Dibenz(a,h)anthracene	335J	ug/kg	1100	10/19/20 12:31	
EPA 8270	Fluoranthene	5420	ug/kg	572	10/19/20 12:31	
EPA 8270	Indeno(1,2,3-cd)pyrene	2360	ug/kg	874	10/19/20 12:31	
EPA 8270	Phenanthrene	1780	ug/kg	518	10/19/20 12:31	
EPA 8270	Pyrene	4030	ug/kg	896	10/19/20 12:31	
ASTM D2974-87	Percent Moisture	31.1	%	0.10	10/14/20 08:20	
40216442014	SB-14 (4'-8')					
EPA 6010	Antimony	4.5	mg/kg	3.1	10/16/20 19:58	
EPA 6010	Arsenic	3.2J	mg/kg	3.8	10/16/20 19:58	
EPA 6010	Beryllium	0.33J	mg/kg	0.61	10/16/20 19:58	
EPA 6010	Cadmium	1.1	mg/kg	0.76	10/16/20 19:58	
EPA 6010	Chromium	12.5	mg/kg	1.5	10/16/20 19:58	
EPA 6010	Copper	54.8	mg/kg	1.5	10/16/20 19:58	
EPA 6010	Lead	209	mg/kg	3.1	10/16/20 19:58	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442014	SB-14 (4'-8')					
EPA 6010	Nickel	10.2	mg/kg	1.5	10/16/20 19:58	
EPA 6010	Zinc	273	mg/kg	6.1	10/16/20 19:58	
EPA 7471	Mercury	0.16	mg/kg	0.053	10/15/20 13:46	
EPA 8270	Anthracene	1500J	ug/kg	2820	10/19/20 12:52	
EPA 8270	Benzo(a)anthracene	6550	ug/kg	2730	10/19/20 12:52	
EPA 8270	Benzo(a)pyrene	9160	ug/kg	2650	10/19/20 12:52	
EPA 8270	Benzo(b)fluoranthene	12100	ug/kg	3030	10/19/20 12:52	
EPA 8270	Benzo(g,h,i)perylene	9320	ug/kg	4610	10/19/20 12:52	
EPA 8270	Benzo(k)fluoranthene	4700	ug/kg	4220	10/19/20 12:52	
EPA 8270	Chrysene	9540	ug/kg	2640	10/19/20 12:52	
EPA 8270	Fluoranthene	21600	ug/kg	2500	10/19/20 12:52	
EPA 8270	Fluorene	658J	ug/kg	2060	10/19/20 12:52	
EPA 8270	Indeno(1,2,3-cd)pyrene	9140	ug/kg	3820	10/19/20 12:52	
EPA 8270	Phenanthrene	13300	ug/kg	2260	10/19/20 12:52	
EPA 8270	Pyrene	16200	ug/kg	3910	10/19/20 12:52	
ASTM D2974-87	Percent Moisture	36.9	%	0.10	10/14/20 08:20	
40216442015	SB-15 (0'-4')					
EPA 6010	Arsenic	3.0J	mg/kg	3.0	10/16/20 20:01	
EPA 6010	Beryllium	0.65	mg/kg	0.48	10/16/20 20:01	
EPA 6010	Cadmium	0.51J	mg/kg	0.60	10/16/20 20:01	
EPA 6010	Chromium	13.1	mg/kg	1.2	10/16/20 20:01	
EPA 6010	Copper	27.8	mg/kg	1.2	10/16/20 20:01	
EPA 6010	Lead	28.2	mg/kg	2.4	10/16/20 20:01	
EPA 6010	Nickel	14.4	mg/kg	1.2	10/16/20 20:01	
EPA 6010	Thallium	0.96J	mg/kg	4.8	10/16/20 20:01	
EPA 6010	Zinc	172	mg/kg	4.8	10/16/20 20:01	
EPA 7471	Mercury	0.031J	mg/kg	0.043	10/15/20 13:49	
ASTM D2974-87	Percent Moisture	23.5	%	0.10	10/14/20 08:31	
40216442016	SB-15 (8'-12')					
EPA 6010	Beryllium	0.29J	mg/kg	0.40	10/16/20 20:03	
EPA 6010	Chromium	11.7	mg/kg	0.99	10/16/20 20:03	
EPA 6010	Copper	13.4	mg/kg	0.99	10/16/20 20:03	
EPA 6010	Lead	4.8	mg/kg	2.0	10/16/20 20:03	
EPA 6010	Nickel	11.1	mg/kg	0.99	10/16/20 20:03	
EPA 6010	Zinc	34.3	mg/kg	4.0	10/16/20 20:03	
EPA 8260	Naphthalene	29.2J	ug/kg	95.3	10/16/20 22:33	
ASTM D2974-87	Percent Moisture	4.5	%	0.10	10/14/20 08:31	
40216442017	SB-16 (0'-4')					
EPA 6010	Beryllium	0.53	mg/kg	0.44	10/16/20 20:06	
EPA 6010	Chromium	7.7	mg/kg	1.1	10/16/20 20:06	
EPA 6010	Copper	7.1	mg/kg	1.1	10/16/20 20:06	
EPA 6010	Lead	13.1	mg/kg	2.2	10/16/20 20:06	
EPA 6010	Nickel	6.8	mg/kg	1.1	10/16/20 20:06	
EPA 6010	Thallium	1.2J	mg/kg	4.4	10/16/20 20:06	
EPA 6010	Zinc	39.0	mg/kg	4.4	10/16/20 20:06	
ASTM D2974-87	Percent Moisture	9.7	%	0.10	10/14/20 08:31	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442018	SB-16 (8'-12')					
EPA 6010	Beryllium	0.31J	mg/kg	0.41	10/16/20 20:08	
EPA 6010	Chromium	8.0	mg/kg	1.0	10/16/20 20:08	
EPA 6010	Copper	13.1	mg/kg	1.0	10/16/20 20:08	
EPA 6010	Lead	6.3	mg/kg	2.1	10/16/20 20:08	
EPA 6010	Nickel	7.9	mg/kg	1.0	10/16/20 20:08	
EPA 6010	Zinc	24.4	mg/kg	4.1	10/16/20 20:08	
ASTM D2974-87	Percent Moisture	6.3	%	0.10	10/14/20 08:31	
40216442019	SB-17 (0'-4')					
EPA 6010	Antimony	1.2J	mg/kg	2.0	10/16/20 20:15	
EPA 6010	Beryllium	0.13J	mg/kg	0.40	10/16/20 20:15	
EPA 6010	Cadmium	0.21J	mg/kg	0.51	10/16/20 20:15	
EPA 6010	Chromium	8.1	mg/kg	1.0	10/16/20 20:15	
EPA 6010	Copper	16.8	mg/kg	1.0	10/16/20 20:15	
EPA 6010	Lead	34.5	mg/kg	2.0	10/19/20 13:43	
EPA 6010	Nickel	8.5	mg/kg	1.0	10/19/20 13:43	
EPA 6010	Zinc	44.7	mg/kg	4.0	10/16/20 20:15	
EPA 7471	Mercury	0.028J	mg/kg	0.034	10/15/20 13:58	
EPA 8270	Fluoranthene	40.5J	ug/kg	82.6	10/16/20 16:49	
EPA 8270	Phenanthrene	32.5J	ug/kg	74.9	10/16/20 16:49	
ASTM D2974-87	Percent Moisture	4.6	%	0.10	10/14/20 08:31	
40216442020	SB-17 (8'-12')					
EPA 6010	Antimony	3.7	mg/kg	3.4	10/16/20 20:18	
EPA 6010	Cadmium	0.25J	mg/kg	0.85	10/16/20 20:18	
EPA 6010	Chromium	3.2J	mg/kg	3.4	10/19/20 13:46	D3
EPA 6010	Copper	54.6	mg/kg	1.7	10/16/20 20:18	
EPA 6010	Lead	65.1	mg/kg	6.8	10/19/20 13:46	
EPA 6010	Nickel	7.5	mg/kg	1.7	10/19/20 13:48	
EPA 6010	Zinc	84.9	mg/kg	6.8	10/16/20 20:18	
ASTM D2974-87	Percent Moisture	41.9	%	0.10	10/14/20 08:31	
40216442021	SB-18 (0.5'-4')					
EPA 6010	Beryllium	0.37J	mg/kg	0.46	10/16/20 17:56	
EPA 6010	Chromium	9.7	mg/kg	1.2	10/16/20 17:56	
EPA 6010	Copper	7.6	mg/kg	1.2	10/16/20 17:56	
EPA 6010	Lead	20.2	mg/kg	2.3	10/16/20 17:56	
EPA 6010	Nickel	4.7	mg/kg	1.2	10/16/20 17:56	
EPA 6010	Thallium	1.1J	mg/kg	4.6	10/16/20 17:56	
EPA 6010	Zinc	49.1	mg/kg	4.6	10/16/20 17:56	
EPA 7471	Mercury	0.018J	mg/kg	0.039	10/15/20 14:02	
EPA 8270	Benzo(a)anthracene	79.6J	ug/kg	99.4	10/16/20 18:13	
EPA 8270	Benzo(a)pyrene	91.8J	ug/kg	96.5	10/16/20 18:13	
EPA 8270	Benzo(b)fluoranthene	119	ug/kg	110	10/16/20 18:13	
EPA 8270	Benzo(g,h,i)perylene	105J	ug/kg	168	10/16/20 18:13	
EPA 8270	Benzo(k)fluoranthene	47.9J	ug/kg	154	10/16/20 18:13	
EPA 8270	Chrysene	108	ug/kg	95.9	10/16/20 18:13	
EPA 8270	Fluoranthene	198	ug/kg	90.8	10/16/20 18:13	
EPA 8270	Indeno(1,2,3-cd)pyrene	70.9J	ug/kg	139	10/16/20 18:13	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442021	SB-18 (0.5'-4')					
EPA 8270	Phenanthrene	111	ug/kg	82.3	10/16/20 18:13	
EPA 8270	Pyrene	171	ug/kg	142	10/16/20 18:13	
ASTM D2974-87	Percent Moisture	13.4	%	0.10	10/14/20 08:31	
40216442022	SB-18 (10'-12')					
EPA 6010	Beryllium	0.15J	mg/kg	0.41	10/16/20 18:05	
EPA 6010	Chromium	4.3	mg/kg	1.0	10/16/20 18:05	
EPA 6010	Copper	7.0	mg/kg	1.0	10/16/20 18:05	
EPA 6010	Lead	0.71J	mg/kg	2.0	10/16/20 18:05	
EPA 6010	Nickel	4.5	mg/kg	1.0	10/16/20 18:05	
EPA 6010	Thallium	0.90J	mg/kg	4.1	10/16/20 18:05	
EPA 6010	Zinc	7.3	mg/kg	4.1	10/16/20 18:05	
ASTM D2974-87	Percent Moisture	5.4	%	0.10	10/14/20 08:31	
40216442023	SB-19 (0.5'-4')					
EPA 6010	Beryllium	0.27J	mg/kg	0.40	10/16/20 18:10	
EPA 6010	Chromium	9.2	mg/kg	1.0	10/16/20 18:10	
EPA 6010	Copper	10.3	mg/kg	1.0	10/16/20 18:10	
EPA 6010	Lead	4.5	mg/kg	2.0	10/16/20 18:10	
EPA 6010	Nickel	8.3	mg/kg	1.0	10/16/20 18:10	
EPA 6010	Zinc	25.0	mg/kg	4.0	10/16/20 18:10	
EPA 8270	Benzo(g,h,i)perylene	50.9J	ug/kg	153	10/19/20 11:07	
ASTM D2974-87	Percent Moisture	4.8	%	0.10	10/14/20 08:31	
40216442024	SB-19 (8'-12')					
EPA 6010	Beryllium	0.17J	mg/kg	0.39	10/16/20 18:12	
EPA 6010	Chromium	10.2	mg/kg	0.98	10/16/20 18:12	
EPA 6010	Copper	8.9	mg/kg	0.98	10/16/20 18:12	
EPA 6010	Lead	1.5J	mg/kg	2.0	10/16/20 18:12	
EPA 6010	Nickel	7.6	mg/kg	0.98	10/16/20 18:12	
EPA 6010	Zinc	13.1	mg/kg	3.9	10/16/20 18:12	
ASTM D2974-87	Percent Moisture	2.4	%	0.10	10/14/20 08:31	
40216442025	SB-5 (0'-4')					
EPA 6010	Beryllium	0.33J	mg/kg	0.44	10/16/20 18:19	
EPA 6010	Cadmium	0.34J	mg/kg	0.55	10/16/20 18:19	
EPA 6010	Chromium	8.3	mg/kg	1.1	10/16/20 18:19	
EPA 6010	Copper	41.1	mg/kg	1.1	10/16/20 18:19	
EPA 6010	Lead	28.3	mg/kg	2.2	10/16/20 18:19	
EPA 6010	Nickel	5.9	mg/kg	1.1	10/16/20 18:19	
EPA 6010	Zinc	68.7	mg/kg	4.4	10/16/20 18:19	
EPA 7471	Mercury	0.038J	mg/kg	0.039	10/15/20 14:16	
EPA 8270	Anthracene	387J	ug/kg	395	10/19/20 15:59	
EPA 8270	Benzo(a)anthracene	1080	ug/kg	383	10/19/20 15:59	
EPA 8270	Benzo(a)pyrene	907	ug/kg	372	10/19/20 15:59	B
EPA 8270	Benzo(b)fluoranthene	1430	ug/kg	425	10/19/20 15:59	
EPA 8270	Benzo(g,h,i)perylene	791	ug/kg	647	10/19/20 15:59	
EPA 8270	Benzo(k)fluoranthene	554J	ug/kg	592	10/19/20 15:59	
EPA 8270	Chrysene	1160	ug/kg	370	10/19/20 15:59	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442025	SB-5 (0'-4')					
EPA 8270	Fluoranthene	3530	ug/kg	350	10/19/20 15:59	
EPA 8270	Indeno(1,2,3-cd)pyrene	862	ug/kg	535	10/19/20 15:59	
EPA 8270	Phenanthrene	1590	ug/kg	317	10/19/20 15:59	
EPA 8270	Pyrene	2290	ug/kg	548	10/19/20 15:59	
ASTM D2974-87	Percent Moisture	9.9	%	0.10	10/14/20 08:31	
40216442026	SB-5 (8'-12')					
EPA 6010	Beryllium	0.37J	mg/kg	0.62	10/16/20 18:22	
EPA 6010	Cadmium	0.40J	mg/kg	0.78	10/16/20 18:22	
EPA 6010	Chromium	16.3	mg/kg	1.6	10/16/20 18:22	
EPA 6010	Copper	26.6	mg/kg	1.6	10/16/20 18:22	
EPA 6010	Lead	212	mg/kg	3.1	10/16/20 18:22	
EPA 6010	Nickel	12.9	mg/kg	1.6	10/16/20 18:22	
EPA 6010	Zinc	168	mg/kg	6.2	10/16/20 18:22	
EPA 7471	Mercury	0.024J	mg/kg	0.057	10/15/20 14:19	
ASTM D2974-87	Percent Moisture	40.7	%	0.10	10/14/20 08:31	
40216442027	SB-6 (0'-4')					
EPA 6010	Arsenic	1.9J	mg/kg	2.7	10/16/20 18:24	
EPA 6010	Beryllium	0.30J	mg/kg	0.43	10/16/20 18:24	
EPA 6010	Cadmium	0.54	mg/kg	0.53	10/16/20 18:24	
EPA 6010	Chromium	16.9	mg/kg	1.1	10/16/20 18:24	
EPA 6010	Copper	10.7	mg/kg	1.1	10/16/20 18:24	
EPA 6010	Lead	25.5	mg/kg	2.1	10/16/20 18:24	
EPA 6010	Nickel	5.0	mg/kg	1.1	10/16/20 18:24	
EPA 6010	Silver	0.36J	mg/kg	1.1	10/16/20 18:24	
EPA 6010	Thallium	1.0J	mg/kg	4.3	10/16/20 18:24	
EPA 6010	Zinc	61.2	mg/kg	4.3	10/16/20 18:24	
EPA 7471	Mercury	0.26	mg/kg	0.036	10/15/20 14:21	
ASTM D2974-87	Percent Moisture	11.8	%	0.10	10/14/20 08:31	
40216442028	SB-6 (8'-12')					
EPA 6010	Beryllium	0.43J	mg/kg	0.52	10/16/20 18:27	
EPA 6010	Chromium	13.5	mg/kg	1.3	10/16/20 18:27	
EPA 6010	Copper	5.8	mg/kg	1.3	10/16/20 18:27	
EPA 6010	Lead	36.5	mg/kg	2.6	10/16/20 18:27	
EPA 6010	Nickel	3.4	mg/kg	1.3	10/16/20 18:27	
EPA 6010	Thallium	1.6J	mg/kg	5.2	10/16/20 18:27	
EPA 6010	Zinc	60.4	mg/kg	5.2	10/16/20 18:27	
ASTM D2974-87	Percent Moisture	28.3	%	0.10	10/14/20 08:31	
40216442029	SB-9 (0'-4')					
EPA 6010	Antimony	1.4J	mg/kg	2.5	10/16/20 18:29	
EPA 6010	Beryllium	0.51	mg/kg	0.51	10/16/20 18:29	
EPA 6010	Cadmium	1.0	mg/kg	0.64	10/16/20 18:29	
EPA 6010	Chromium	14.4	mg/kg	1.3	10/16/20 18:29	
EPA 6010	Copper	61.3	mg/kg	1.3	10/16/20 18:29	
EPA 6010	Lead	70.3	mg/kg	2.5	10/16/20 18:29	
EPA 6010	Nickel	13.9	mg/kg	1.3	10/16/20 18:29	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442029	SB-9 (0'-4')					
EPA 6010	Selenium	2.5J	mg/kg	5.1	10/16/20 18:29	
EPA 6010	Thallium	1.2J	mg/kg	5.1	10/16/20 18:29	
EPA 6010	Zinc	200	mg/kg	5.1	10/16/20 18:29	
EPA 7471	Mercury	0.070	mg/kg	0.042	10/15/20 14:26	
EPA 8270	Benzo(a)anthracene	353J	ug/kg	1150	10/19/20 13:54	
EPA 8270	Benzo(a)pyrene	484J	ug/kg	1110	10/19/20 13:54	
EPA 8270	Benzo(b)fluoranthene	585J	ug/kg	1270	10/19/20 13:54	
EPA 8270	Benzo(g,h,i)perylene	626J	ug/kg	1930	10/19/20 13:54	
EPA 8270	Chrysene	451J	ug/kg	1110	10/19/20 13:54	
EPA 8270	Fluoranthene	820J	ug/kg	1050	10/19/20 13:54	
EPA 8270	Indeno(1,2,3-cd)pyrene	644J	ug/kg	1600	10/19/20 13:54	
EPA 8270	Phenanthrene	442J	ug/kg	949	10/19/20 13:54	
EPA 8270	Pyrene	639J	ug/kg	1640	10/19/20 13:54	
ASTM D2974-87	Percent Moisture	24.9	%	0.10	10/14/20 08:32	
40216442030	SB-9 (8'-12')					
EPA 6010	Beryllium	0.22J	mg/kg	0.42	10/16/20 18:32	
EPA 6010	Chromium	6.6	mg/kg	1.0	10/16/20 18:32	
EPA 6010	Copper	8.4	mg/kg	1.0	10/16/20 18:32	
EPA 6010	Lead	5.4	mg/kg	2.1	10/16/20 18:32	
EPA 6010	Nickel	6.9	mg/kg	1.0	10/16/20 18:32	
EPA 6010	Zinc	20.2	mg/kg	4.2	10/16/20 18:32	
ASTM D2974-87	Percent Moisture	7.2	%	0.10	10/14/20 08:32	
40216442031	SB-10 (0'-4')					
EPA 6010	Beryllium	0.24J	mg/kg	0.41	10/16/20 18:34	
EPA 6010	Cadmium	0.78	mg/kg	0.51	10/16/20 18:34	
EPA 6010	Chromium	6.7	mg/kg	1.0	10/16/20 18:34	
EPA 6010	Copper	11.5	mg/kg	1.0	10/16/20 18:34	
EPA 6010	Lead	12.9	mg/kg	2.0	10/16/20 18:34	
EPA 6010	Nickel	6.0	mg/kg	1.0	10/16/20 18:34	
EPA 6010	Zinc	223	mg/kg	4.1	10/16/20 18:34	
EPA 8270	Benzo(a)anthracene	691J	ug/kg	901	10/19/20 14:15	
EPA 8270	Benzo(a)pyrene	755J	ug/kg	876	10/19/20 14:15	B
EPA 8270	Benzo(b)fluoranthene	1080	ug/kg	1000	10/19/20 14:15	
EPA 8270	Benzo(g,h,i)perylene	653J	ug/kg	1520	10/19/20 14:15	
EPA 8270	Benzo(k)fluoranthene	470J	ug/kg	1390	10/19/20 14:15	
EPA 8270	Chrysene	949	ug/kg	870	10/19/20 14:15	
EPA 8270	Fluoranthene	3110	ug/kg	824	10/19/20 14:15	
EPA 8270	Fluorene	328J	ug/kg	680	10/19/20 14:15	
EPA 8270	Indeno(1,2,3-cd)pyrene	722J	ug/kg	1260	10/19/20 14:15	
EPA 8270	Naphthalene	655J	ug/kg	2040	10/19/20 14:15	
EPA 8270	Phenanthrene	2990	ug/kg	747	10/19/20 14:15	
EPA 8270	Pyrene	2000	ug/kg	1290	10/19/20 14:15	
ASTM D2974-87	Percent Moisture	4.4	%	0.10	10/14/20 08:32	
40216442032	SB-10 (8'-12')					
EPA 6010	Beryllium	0.16J	mg/kg	0.40	10/16/20 18:36	
EPA 6010	Chromium	7.3	mg/kg	1.0	10/16/20 18:36	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442032	SB-10 (8'-12')					
EPA 6010	Copper	9.3	mg/kg	1.0	10/16/20 18:36	
EPA 6010	Lead	1.4J	mg/kg	2.0	10/16/20 18:36	
EPA 6010	Nickel	6.7	mg/kg	1.0	10/16/20 18:36	
EPA 6010	Thallium	0.84J	mg/kg	4.0	10/16/20 18:36	
EPA 6010	Zinc	39.5	mg/kg	4.0	10/16/20 18:36	
ASTM D2974-87	Percent Moisture	2.5	%	0.10	10/14/20 08:32	
40216442033	SB-11 (0'-4')					
EPA 6010	Beryllium	0.35J	mg/kg	0.42	10/16/20 18:39	
EPA 6010	Chromium	3.8	mg/kg	1.1	10/16/20 18:39	
EPA 6010	Copper	4.2	mg/kg	1.1	10/16/20 18:39	
EPA 6010	Lead	7.3	mg/kg	2.1	10/16/20 18:39	
EPA 6010	Nickel	2.9	mg/kg	1.1	10/16/20 18:39	
EPA 6010	Zinc	35.7	mg/kg	4.2	10/16/20 18:39	
ASTM D2974-87	Percent Moisture	7.7	%	0.10	10/14/20 08:32	
40216442034	SB-11 (8'-12')					
EPA 6010	Beryllium	0.24J	mg/kg	0.40	10/16/20 18:41	
EPA 6010	Chromium	8.5	mg/kg	1.0	10/16/20 18:41	
EPA 6010	Copper	10.9	mg/kg	1.0	10/16/20 18:41	
EPA 6010	Lead	2.3	mg/kg	2.0	10/16/20 18:41	
EPA 6010	Nickel	9.0	mg/kg	1.0	10/16/20 18:41	
EPA 6010	Zinc	14.7	mg/kg	4.0	10/16/20 18:41	
ASTM D2974-87	Percent Moisture	3.5	%	0.10	10/14/20 08:32	
40216442035	SB-12 (0'-4')					
EPA 6010	Beryllium	0.67	mg/kg	0.43	10/16/20 18:48	
EPA 6010	Chromium	8.4	mg/kg	1.1	10/16/20 18:48	
EPA 6010	Copper	5.3	mg/kg	1.1	10/16/20 18:48	
EPA 6010	Lead	9.6	mg/kg	2.2	10/16/20 18:48	
EPA 6010	Nickel	5.5	mg/kg	1.1	10/16/20 18:48	
EPA 6010	Thallium	1.5J	mg/kg	4.3	10/16/20 18:48	
EPA 6010	Zinc	50.2	mg/kg	4.3	10/16/20 18:48	
ASTM D2974-87	Percent Moisture	8.3	%	0.10	10/14/20 08:43	
40216442036	SB-12 (8'-12')					
EPA 6010	Beryllium	0.18J	mg/kg	0.39	10/16/20 18:51	
EPA 6010	Chromium	7.2	mg/kg	0.97	10/16/20 18:51	
EPA 6010	Copper	7.1	mg/kg	0.97	10/16/20 18:51	
EPA 6010	Lead	1.3J	mg/kg	1.9	10/16/20 18:51	
EPA 6010	Nickel	6.7	mg/kg	0.97	10/16/20 18:51	
EPA 6010	Thallium	0.97J	mg/kg	3.9	10/16/20 18:51	
EPA 6010	Zinc	9.4	mg/kg	3.9	10/16/20 18:51	
ASTM D2974-87	Percent Moisture	2.6	%	0.10	10/14/20 08:43	
40216442037	SB-13 (0.5'-4')					
EPA 6010	Beryllium	0.42J	mg/kg	0.44	10/16/20 18:53	
EPA 6010	Chromium	7.8	mg/kg	1.1	10/16/20 18:53	
EPA 6010	Copper	35.9	mg/kg	1.1	10/16/20 18:53	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442037	SB-13 (0.5'-4')					
EPA 6010	Lead	30.4	mg/kg	2.2	10/16/20 18:53	
EPA 6010	Nickel	14.9	mg/kg	1.1	10/16/20 18:53	
EPA 6010	Zinc	52.7	mg/kg	4.4	10/16/20 18:53	
EPA 7471	Mercury	0.012J	mg/kg	0.036	10/20/20 10:19	
EPA 8270	Fluoranthene	277J	ug/kg	859	10/19/20 14:36	
ASTM D2974-87	Percent Moisture	8.5	%	0.10	10/14/20 08:43	
40216442038	SB-13 (8'-12')					
EPA 6010	Beryllium	0.18J	mg/kg	0.38	10/16/20 18:56	
EPA 6010	Chromium	6.7	mg/kg	0.96	10/16/20 18:56	
EPA 6010	Copper	8.9	mg/kg	0.96	10/16/20 18:56	
EPA 6010	Lead	2.0	mg/kg	1.9	10/16/20 18:56	
EPA 6010	Nickel	6.4	mg/kg	0.96	10/16/20 18:56	
EPA 6010	Zinc	12.1	mg/kg	3.8	10/16/20 18:56	
ASTM D2974-87	Percent Moisture	4.5	%	0.10	10/14/20 08:44	
40216442039	SBGW-1 (3'-7')					
EPA 6010	Beryllium	0.38J	mg/kg	0.39	10/16/20 18:58	
EPA 6010	Chromium	6.1	mg/kg	0.99	10/16/20 18:58	
EPA 6010	Copper	2.2	mg/kg	0.99	10/16/20 18:58	
EPA 6010	Lead	12.4	mg/kg	2.0	10/16/20 18:58	
EPA 6010	Nickel	1.9	mg/kg	0.99	10/16/20 18:58	
EPA 6010	Thallium	1.4J	mg/kg	3.9	10/16/20 18:58	
EPA 6010	Zinc	39.8	mg/kg	3.9	10/16/20 18:58	
ASTM D2974-87	Percent Moisture	4.2	%	0.10	10/14/20 08:44	
40216442040	SBGW-1 (11'-15')					
EPA 6010	Beryllium	0.39J	mg/kg	0.48	10/16/20 19:00	
EPA 6010	Cadmium	0.46J	mg/kg	0.60	10/16/20 19:00	
EPA 6010	Chromium	15.0	mg/kg	1.2	10/16/20 19:00	
EPA 6010	Copper	15.1	mg/kg	1.2	10/16/20 19:00	
EPA 6010	Lead	20.7	mg/kg	2.4	10/16/20 19:00	
EPA 6010	Nickel	10.8	mg/kg	1.2	10/16/20 19:00	
EPA 6010	Zinc	76.6	mg/kg	4.8	10/16/20 19:00	
EPA 7471	Mercury	0.050	mg/kg	0.039	10/20/20 10:26	
ASTM D2974-87	Percent Moisture	20.7	%	0.10	10/14/20 08:44	
40216442041	SBGW-2 (0.5'-4')					
EPA 6010	Beryllium	0.46J	mg/kg	0.47	10/19/20 14:11	
EPA 6010	Chromium	13.7	mg/kg	1.2	10/19/20 14:11	
EPA 6010	Copper	12.4	mg/kg	1.2	10/19/20 14:11	
EPA 6010	Lead	9.0	mg/kg	2.4	10/19/20 14:11	
EPA 6010	Nickel	14.4	mg/kg	1.2	10/19/20 14:11	
EPA 6010	Zinc	34.5	mg/kg	4.7	10/19/20 14:11	
EPA 8270	Fluoranthene	123J	ug/kg	373	10/19/20 17:44	
ASTM D2974-87	Percent Moisture	15.6	%	0.10	10/14/20 08:44	
40216442042	SBGW-2 (12'-16')					
EPA 6010	Beryllium	0.25J	mg/kg	0.42	10/19/20 13:56	

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216442042	SBGW-2 (12'-16')					
EPA 6010	Chromium	15.4	mg/kg	1.0	10/19/20 13:56	
EPA 6010	Copper	21.2	mg/kg	1.0	10/19/20 13:56	
EPA 6010	Lead	2.7	mg/kg	2.1	10/19/20 13:56	
EPA 6010	Nickel	10.7	mg/kg	1.0	10/19/20 13:56	
EPA 6010	Zinc	13.5	mg/kg	4.2	10/19/20 13:56	
ASTM D2974-87	Percent Moisture	4.0	%	0.10	10/14/20 08:44	
40216442043	SBGW-3 (0'-4')					
EPA 6010	Beryllium	0.86J	mg/kg	2.4	10/19/20 14:15	D3
EPA 6010	Chromium	8.8	mg/kg	5.9	10/19/20 14:15	
EPA 6010	Copper	6.4	mg/kg	5.9	10/19/20 14:15	
EPA 6010	Lead	15.1	mg/kg	11.8	10/19/20 14:15	
EPA 6010	Nickel	5.6J	mg/kg	5.9	10/19/20 14:15	D3
EPA 6010	Zinc	78.5	mg/kg	23.6	10/19/20 14:15	
ASTM D2974-87	Percent Moisture	17.4	%	0.10	10/14/20 08:44	
40216442044	SBGW-3 (8'-12')					
EPA 6010	Beryllium	0.33J	mg/kg	0.42	10/19/20 14:18	
EPA 6010	Chromium	19.3	mg/kg	1.0	10/19/20 14:18	
EPA 6010	Copper	23.0	mg/kg	1.0	10/19/20 14:18	
EPA 6010	Lead	3.2	mg/kg	2.1	10/19/20 14:18	
EPA 6010	Nickel	24.2	mg/kg	1.0	10/19/20 14:18	
EPA 6010	Zinc	24.0	mg/kg	4.2	10/19/20 14:18	
ASTM D2974-87	Percent Moisture	6.9	%	0.10	10/14/20 08:44	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-1 (4'-8') Lab ID: 40216442001 Collected: 10/12/20 13:25 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<1.3	mg/kg	3.3	1.3	1	10/16/20 07:47	10/16/20 19:08	7440-36-0	
Arsenic	7.0	mg/kg	4.1	2.4	1	10/16/20 07:47	10/16/20 19:08	7440-38-2	
Beryllium	0.49J	mg/kg	0.66	0.20	1	10/16/20 07:47	10/16/20 19:08	7440-41-7	
Cadmium	0.27J	mg/kg	0.83	0.22	1	10/16/20 07:47	10/16/20 19:08	7440-43-9	
Chromium	55.4	mg/kg	1.7	0.46	1	10/16/20 07:47	10/16/20 19:08	7440-47-3	M0
Copper	31.3	mg/kg	1.7	0.46	1	10/16/20 07:47	10/16/20 19:08	7440-50-8	M0
Lead	32.5	mg/kg	3.3	0.99	1	10/16/20 07:47	10/16/20 19:08	7439-92-1	
Nickel	15.1	mg/kg	1.7	0.44	1	10/16/20 07:47	10/16/20 19:08	7440-02-0	
Selenium	<2.2	mg/kg	6.6	2.2	1	10/16/20 07:47	10/16/20 19:08	7782-49-2	
Silver	<0.51	mg/kg	1.7	0.51	1	10/16/20 07:47	10/16/20 19:08	7440-22-4	
Thallium	1.7J	mg/kg	6.6	1.3	1	10/16/20 07:47	10/16/20 19:08	7440-28-0	
Zinc	87.1	mg/kg	6.6	2.0	1	10/16/20 07:47	10/16/20 19:08	7440-66-6	M0
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.017	mg/kg	0.058	0.017	1	10/15/20 09:05	10/15/20 12:58	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<492	ug/kg	1640	492	5	10/15/20 12:36	10/19/20 11:49	83-32-9	
Acenaphthylene	<495	ug/kg	1650	495	5	10/15/20 12:36	10/19/20 11:49	208-96-8	
Anthracene	<222	ug/kg	739	222	5	10/15/20 12:36	10/19/20 11:49	120-12-7	
Benzo(a)anthracene	<215	ug/kg	716	215	5	10/15/20 12:36	10/19/20 11:49	56-55-3	
Benzo(a)pyrene	<209	ug/kg	696	209	5	10/15/20 12:36	10/19/20 11:49	50-32-8	
Benzo(b)fluoranthene	<238	ug/kg	795	238	5	10/15/20 12:36	10/19/20 11:49	205-99-2	
Benzo(g,h,i)perylene	<363	ug/kg	1210	363	5	10/15/20 12:36	10/19/20 11:49	191-24-2	
Benzo(k)fluoranthene	<332	ug/kg	1110	332	5	10/15/20 12:36	10/19/20 11:49	207-08-9	
Chrysene	213J	ug/kg	692	208	5	10/15/20 12:36	10/19/20 11:49	218-01-9	
Dibenz(a,h)anthracene	<377	ug/kg	1260	377	5	10/15/20 12:36	10/19/20 11:49	53-70-3	
Fluoranthene	257J	ug/kg	655	196	5	10/15/20 12:36	10/19/20 11:49	206-44-0	
Fluorene	<162	ug/kg	541	162	5	10/15/20 12:36	10/19/20 11:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<300	ug/kg	1000	300	5	10/15/20 12:36	10/19/20 11:49	193-39-5	
1-Methylnaphthalene	<395	ug/kg	1320	395	5	10/15/20 12:36	10/19/20 11:49	90-12-0	D3
2-Methylnaphthalene	<360	ug/kg	1200	360	5	10/15/20 12:36	10/19/20 11:49	91-57-6	
Naphthalene	<485	ug/kg	1620	485	5	10/15/20 12:36	10/19/20 11:49	91-20-3	
Pentachlorophenol	<306	ug/kg	1020	306	5	10/15/20 12:36	10/19/20 11:49	87-86-5	
Phenanthrene	<178	ug/kg	594	178	5	10/15/20 12:36	10/19/20 11:49	85-01-8	
Pyrene	<308	ug/kg	1030	308	5	10/15/20 12:36	10/19/20 11:49	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	17-110		5	10/15/20 12:36	10/19/20 11:49	4165-60-0	
2-Fluorobiphenyl (S)	71	%	45-103		5	10/15/20 12:36	10/19/20 11:49	321-60-8	
Terphenyl-d14 (S)	77	%	46-100		5	10/15/20 12:36	10/19/20 11:49	1718-51-0	
2,4,6-Tribromophenol (S)	76	%	10-153		5	10/15/20 12:36	10/19/20 11:49	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-1 (4'-8') Lab ID: 40216442001 Collected: 10/12/20 13:25 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 08:30	10/15/20 20:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/15/20 08:30	10/15/20 20:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/15/20 08:30	10/15/20 20:22	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/15/20 08:30	10/15/20 20:22	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 20:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 08:30	10/15/20 20:22	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/15/20 08:30	10/15/20 20:22	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/15/20 08:30	10/15/20 20:22	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/15/20 08:30	10/15/20 20:22	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 08:30	10/15/20 20:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 08:30	10/15/20 20:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/15/20 08:30	10/15/20 20:22	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/15/20 08:30	10/15/20 20:22	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/15/20 08:30	10/15/20 20:22	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/15/20 08:30	10/15/20 20:22	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/15/20 08:30	10/15/20 20:22	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/15/20 08:30	10/15/20 20:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 20:22	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/15/20 08:30	10/15/20 20:22	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/15/20 08:30	10/15/20 20:22	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

Sample: SB-1 (4'-8') Lab ID: 40216442001 Collected: 10/12/20 13:25 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/15/20 08:30	10/15/20 20:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/15/20 08:30	10/15/20 20:22	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/15/20 08:30	10/15/20 20:22	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/15/20 08:30	10/15/20 20:22	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/15/20 08:30	10/15/20 20:22	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/15/20 08:30	10/15/20 20:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 20:22	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	92	%	58-145		1	10/15/20 08:30	10/15/20 20:22	1868-53-7	
Toluene-d8 (S)	95	%	56-140		1	10/15/20 08:30	10/15/20 20:22	2037-26-5	
4-Bromofluorobenzene (S)	86	%	52-137		1	10/15/20 08:30	10/15/20 20:22	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	39.8	%	0.10	0.10	1		10/14/20 08:19
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Total Solids 2540 G-2011

Analytical Method: SM 2540G Preparation Method: SM 2540 G
Pace National - Mt. Juliet

Total Solids	72.1	%			1	11/02/20 14:30	11/02/20 14:37
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Wet Chemistry 3060A/7196A

Analytical Method: EPA 7196A Preparation Method: 3060A
Pace National - Mt. Juliet

Chromium, Hexavalent	<0.888	mg/kg	2.95	0.888	1	11/03/20 16:04	11/04/20 13:15
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-1 (8'-12') Lab ID: 40216442002 Collected: 10/12/20 13:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.91	mg/kg	2.3	0.91	1	10/16/20 07:47	10/16/20 19:22	7440-36-0	
Arsenic	<1.7	mg/kg	2.9	1.7	1	10/16/20 07:47	10/16/20 19:22	7440-38-2	
Beryllium	0.24J	mg/kg	0.46	0.14	1	10/16/20 07:47	10/16/20 19:22	7440-41-7	
Cadmium	<0.15	mg/kg	0.57	0.15	1	10/16/20 07:47	10/16/20 19:22	7440-43-9	
Chromium	12.4	mg/kg	1.1	0.32	1	10/16/20 07:47	10/16/20 19:22	7440-47-3	
Copper	11.0	mg/kg	1.1	0.32	1	10/16/20 07:47	10/16/20 19:22	7440-50-8	
Lead	2.1J	mg/kg	2.3	0.68	1	10/16/20 07:47	10/16/20 19:22	7439-92-1	
Nickel	9.0	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 19:22	7440-02-0	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/16/20 07:47	10/16/20 19:22	7782-49-2	
Silver	<0.35	mg/kg	1.1	0.35	1	10/16/20 07:47	10/16/20 19:22	7440-22-4	
Thallium	<0.88	mg/kg	4.6	0.88	1	10/16/20 07:47	10/16/20 19:22	7440-28-0	
Zinc	16.6	mg/kg	4.6	1.4	1	10/16/20 07:47	10/16/20 19:22	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.040	0.011	1	10/15/20 09:05	10/15/20 13:00	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<68.8	ug/kg	229	68.8	1	10/15/20 12:36	10/20/20 12:25	83-32-9	
Acenaphthylene	<69.2	ug/kg	231	69.2	1	10/15/20 12:36	10/20/20 12:25	208-96-8	
Anthracene	<31.0	ug/kg	103	31.0	1	10/15/20 12:36	10/20/20 12:25	120-12-7	
Benzo(a)anthracene	47.7J	ug/kg	100	30.0	1	10/15/20 12:36	10/20/20 12:25	56-55-3	
Benzo(a)pyrene	85.2J	ug/kg	97.2	29.2	1	10/15/20 12:36	10/20/20 12:25	50-32-8	
Benzo(b)fluoranthene	85.2J	ug/kg	111	33.3	1	10/15/20 12:36	10/20/20 12:25	205-99-2	
Benzo(g,h,i)perylene	89.8J	ug/kg	169	50.7	1	10/15/20 12:36	10/20/20 12:25	191-24-2	
Benzo(k)fluoranthene	71.9J	ug/kg	155	46.4	1	10/15/20 12:36	10/20/20 12:25	207-08-9	
Chrysene	58.2J	ug/kg	96.6	29.0	1	10/15/20 12:36	10/20/20 12:25	218-01-9	
Dibenz(a,h)anthracene	<52.7	ug/kg	176	52.7	1	10/15/20 12:36	10/20/20 12:25	53-70-3	
Fluoranthene	63.8J	ug/kg	91.4	27.4	1	10/15/20 12:36	10/20/20 12:25	206-44-0	
Fluorene	<22.7	ug/kg	75.5	22.7	1	10/15/20 12:36	10/20/20 12:25	86-73-7	
Indeno(1,2,3-cd)pyrene	76.4J	ug/kg	140	41.9	1	10/15/20 12:36	10/20/20 12:25	193-39-5	
1-Methylnaphthalene	<55.2	ug/kg	184	55.2	1	10/15/20 12:36	10/20/20 12:25	90-12-0	
2-Methylnaphthalene	<50.3	ug/kg	168	50.3	1	10/15/20 12:36	10/20/20 12:25	91-57-6	
Naphthalene	<67.8	ug/kg	226	67.8	1	10/15/20 12:36	10/20/20 12:25	91-20-3	
Pentachlorophenol	<42.7	ug/kg	142	42.7	1	10/15/20 12:36	10/20/20 12:25	87-86-5	
Phenanthrene	30.0J	ug/kg	82.9	24.9	1	10/15/20 12:36	10/20/20 12:25	85-01-8	
Pyrene	60.7J	ug/kg	143	43.0	1	10/15/20 12:36	10/20/20 12:25	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	17-110		1	10/15/20 12:36	10/20/20 12:25	4165-60-0	
2-Fluorobiphenyl (S)	83	%	45-103		1	10/15/20 12:36	10/20/20 12:25	321-60-8	
Terphenyl-d14 (S)	91	%	46-100		1	10/15/20 12:36	10/20/20 12:25	1718-51-0	
2,4,6-Tribromophenol (S)	80	%	10-153		1	10/15/20 12:36	10/20/20 12:25	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-1 (8'-12') Lab ID: 40216442002 Collected: 10/12/20 13:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 08:30	10/15/20 15:09	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/15/20 08:30	10/15/20 15:09	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/15/20 08:30	10/15/20 15:09	74-83-9	M1,W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/15/20 08:30	10/15/20 15:09	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 15:09	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 08:30	10/15/20 15:09	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/15/20 08:30	10/15/20 15:09	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/15/20 08:30	10/15/20 15:09	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/15/20 08:30	10/15/20 15:09	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 08:30	10/15/20 15:09	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 08:30	10/15/20 15:09	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/15/20 08:30	10/15/20 15:09	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/15/20 08:30	10/15/20 15:09	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/15/20 08:30	10/15/20 15:09	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/15/20 08:30	10/15/20 15:09	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/15/20 08:30	10/15/20 15:09	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/15/20 08:30	10/15/20 15:09	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/15/20 08:30	10/15/20 15:09	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/15/20 08:30	10/15/20 15:09	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/15/20 08:30	10/15/20 15:09	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-1 (8'-12') Lab ID: 40216442002 Collected: 10/12/20 13:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/15/20 08:30	10/15/20 15:09	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/15/20 08:30	10/15/20 15:09	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/15/20 08:30	10/15/20 15:09	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/15/20 08:30	10/15/20 15:09	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/15/20 08:30	10/15/20 15:09	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/15/20 08:30	10/15/20 15:09	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/15/20 08:30	10/15/20 15:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	58-145		1	10/15/20 08:30	10/15/20 15:09	1868-53-7	
Toluene-d8 (S)	99	%	56-140		1	10/15/20 08:30	10/15/20 15:09	2037-26-5	
4-Bromofluorobenzene (S)	92	%	52-137		1	10/15/20 08:30	10/15/20 15:09	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	13.7	%	0.10	0.10	1	10/14/20 08:19
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-2 (0'-4') Lab ID: 40216442003 Collected: 10/12/20 15:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.87	mg/kg	2.2	0.87	1	10/16/20 07:47	10/16/20 19:27	7440-36-0	
Arsenic	2.1J	mg/kg	2.7	1.6	1	10/16/20 07:47	10/16/20 19:27	7440-38-2	
Beryllium	0.25J	mg/kg	0.44	0.13	1	10/16/20 07:47	10/16/20 19:27	7440-41-7	
Cadmium	0.33J	mg/kg	0.55	0.15	1	10/16/20 07:47	10/16/20 19:27	7440-43-9	
Chromium	40.9	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 19:27	7440-47-3	
Copper	9.4	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 19:27	7440-50-8	
Lead	15.9	mg/kg	2.2	0.66	1	10/16/20 07:47	10/16/20 19:27	7439-92-1	
Nickel	8.3	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:27	7440-02-0	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/16/20 07:47	10/16/20 19:27	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/16/20 07:47	10/16/20 19:27	7440-22-4	
Thallium	1.1J	mg/kg	4.4	0.85	1	10/16/20 07:47	10/16/20 19:27	7440-28-0	
Zinc	63.7	mg/kg	4.4	1.3	1	10/16/20 07:47	10/16/20 19:27	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.089	mg/kg	0.036	0.010	1	10/15/20 09:05	10/15/20 13:02	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<67.3	ug/kg	224	67.3	1	10/15/20 12:36	10/19/20 09:01	83-32-9	
Acenaphthylene	<67.7	ug/kg	226	67.7	1	10/15/20 12:36	10/19/20 09:01	208-96-8	
Anthracene	<30.4	ug/kg	101	30.4	1	10/15/20 12:36	10/19/20 09:01	120-12-7	
Benzo(a)anthracene	74.4J	ug/kg	98.0	29.4	1	10/15/20 12:36	10/19/20 09:01	56-55-3	
Benzo(a)pyrene	118	ug/kg	95.3	28.6	1	10/15/20 12:36	10/19/20 09:01	50-32-8	
Benzo(b)fluoranthene	122	ug/kg	109	32.6	1	10/15/20 12:36	10/19/20 09:01	205-99-2	
Benzo(g,h,i)perylene	89.3J	ug/kg	166	49.7	1	10/15/20 12:36	10/19/20 09:01	191-24-2	
Benzo(k)fluoranthene	111J	ug/kg	152	45.5	1	10/15/20 12:36	10/19/20 09:01	207-08-9	
Chrysene	92.7J	ug/kg	94.7	28.4	1	10/15/20 12:36	10/19/20 09:01	218-01-9	
Dibenz(a,h)anthracene	<51.6	ug/kg	172	51.6	1	10/15/20 12:36	10/19/20 09:01	53-70-3	
1,4-Dioxane (p-Dioxane)	<103	ug/kg	343	103	1	10/15/20 12:36	10/19/20 09:01	123-91-1	
Fluoranthene	145	ug/kg	89.6	26.9	1	10/15/20 12:36	10/19/20 09:01	206-44-0	
Fluorene	<22.2	ug/kg	74.0	22.2	1	10/15/20 12:36	10/19/20 09:01	86-73-7	
Indeno(1,2,3-cd)pyrene	53.1J	ug/kg	137	41.1	1	10/15/20 12:36	10/19/20 09:01	193-39-5	
1-Methylnaphthalene	<54.1	ug/kg	180	54.1	1	10/15/20 12:36	10/19/20 09:01	90-12-0	
2-Methylnaphthalene	<49.3	ug/kg	164	49.3	1	10/15/20 12:36	10/19/20 09:01	91-57-6	
Naphthalene	<66.4	ug/kg	221	66.4	1	10/15/20 12:36	10/19/20 09:01	91-20-3	
Pentachlorophenol	<41.8	ug/kg	139	41.8	1	10/15/20 12:36	10/19/20 09:01	87-86-5	
Phenanthrene	41.8J	ug/kg	81.2	24.4	1	10/15/20 12:36	10/19/20 09:01	85-01-8	
Pyrene	144	ug/kg	140	42.1	1	10/15/20 12:36	10/19/20 09:01	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	17-110		1	10/15/20 12:36	10/19/20 09:01	4165-60-0	
2-Fluorobiphenyl (S)	61	%	45-103		1	10/15/20 12:36	10/19/20 09:01	321-60-8	
Terphenyl-d14 (S)	64	%	46-100		1	10/15/20 12:36	10/19/20 09:01	1718-51-0	
2,4,6-Tribromophenol (S)	51	%	10-153		1	10/15/20 12:36	10/19/20 09:01	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-2 (0'-4') Lab ID: 40216442003 Collected: 10/12/20 15:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 03:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/15/20 09:15	10/16/20 03:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/15/20 09:15	10/16/20 03:08	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/15/20 09:15	10/16/20 03:08	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 03:08	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/15/20 09:15	10/16/20 03:08	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/15/20 09:15	10/16/20 03:08	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/15/20 09:15	10/16/20 03:08	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 03:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 03:08	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/15/20 09:15	10/16/20 03:08	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/15/20 09:15	10/16/20 03:08	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/15/20 09:15	10/16/20 03:08	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/15/20 09:15	10/16/20 03:08	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/15/20 09:15	10/16/20 03:08	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/15/20 09:15	10/16/20 03:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:08	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/15/20 09:15	10/16/20 03:08	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/15/20 09:15	10/16/20 03:08	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-2 (0'-4') Lab ID: 40216442003 Collected: 10/12/20 15:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/15/20 09:15	10/16/20 03:08	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/15/20 09:15	10/16/20 03:08	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/15/20 09:15	10/16/20 03:08	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/15/20 09:15	10/16/20 03:08	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/15/20 09:15	10/16/20 03:08	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/15/20 09:15	10/16/20 03:08	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:08	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	126	%	58-145		1	10/15/20 09:15	10/16/20 03:08	1868-53-7	
Toluene-d8 (S)	122	%	56-140		1	10/15/20 09:15	10/16/20 03:08	2037-26-5	
4-Bromofluorobenzene (S)	112	%	52-137		1	10/15/20 09:15	10/16/20 03:08	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	12.2	%	0.10	0.10	1		10/14/20 08:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-2 (4'-8') Lab ID: 40216442004 Collected: 10/12/20 15:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.84	mg/kg	2.1	0.84	1	10/16/20 07:47	10/16/20 19:29	7440-36-0	
Arsenic	<1.6	mg/kg	2.6	1.6	1	10/16/20 07:47	10/16/20 19:29	7440-38-2	
Beryllium	0.41J	mg/kg	0.42	0.13	1	10/16/20 07:47	10/16/20 19:29	7440-41-7	
Cadmium	<0.14	mg/kg	0.53	0.14	1	10/16/20 07:47	10/16/20 19:29	7440-43-9	
Chromium	5.6	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:29	7440-47-3	
Copper	4.9	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:29	7440-50-8	
Lead	11.7	mg/kg	2.1	0.63	1	10/16/20 07:47	10/16/20 19:29	7439-92-1	
Nickel	1.6	mg/kg	1.1	0.28	1	10/16/20 07:47	10/16/20 19:29	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:47	10/16/20 19:29	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/16/20 07:47	10/16/20 19:29	7440-22-4	
Thallium	0.87J	mg/kg	4.2	0.82	1	10/16/20 07:47	10/16/20 19:29	7440-28-0	
Zinc	32.6	mg/kg	4.2	1.3	1	10/16/20 07:47	10/16/20 19:29	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.036	0.010	1	10/15/20 09:05	10/15/20 13:05	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<67.2	ug/kg	224	67.2	1	10/15/20 12:36	10/15/20 19:36	83-32-9	
Acenaphthylene	<67.6	ug/kg	225	67.6	1	10/15/20 12:36	10/15/20 19:36	208-96-8	
Anthracene	<30.3	ug/kg	101	30.3	1	10/15/20 12:36	10/15/20 19:36	120-12-7	
Benzo(a)anthracene	<29.3	ug/kg	97.8	29.3	1	10/15/20 12:36	10/15/20 19:36	56-55-3	
Benzo(a)pyrene	<28.5	ug/kg	95.0	28.5	1	10/15/20 12:36	10/15/20 19:36	50-32-8	
Benzo(b)fluoranthene	<32.5	ug/kg	108	32.5	1	10/15/20 12:36	10/15/20 19:36	205-99-2	
Benzo(g,h,i)perylene	<49.5	ug/kg	165	49.5	1	10/15/20 12:36	10/15/20 19:36	191-24-2	
Benzo(k)fluoranthene	<45.3	ug/kg	151	45.3	1	10/15/20 12:36	10/15/20 19:36	207-08-9	
Chrysene	<28.3	ug/kg	94.4	28.3	1	10/15/20 12:36	10/15/20 19:36	218-01-9	
Dibenz(a,h)anthracene	<51.4	ug/kg	171	51.4	1	10/15/20 12:36	10/15/20 19:36	53-70-3	
1,4-Dioxane (p-Dioxane)	<103	ug/kg	342	103	1	10/15/20 12:36	10/15/20 19:36	123-91-1	
Fluoranthene	<26.8	ug/kg	89.3	26.8	1	10/15/20 12:36	10/15/20 19:36	206-44-0	
Fluorene	<22.1	ug/kg	73.8	22.1	1	10/15/20 12:36	10/15/20 19:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<41.0	ug/kg	137	41.0	1	10/15/20 12:36	10/15/20 19:36	193-39-5	
1-Methylnaphthalene	<53.9	ug/kg	180	53.9	1	10/15/20 12:36	10/15/20 19:36	90-12-0	
2-Methylnaphthalene	<49.2	ug/kg	164	49.2	1	10/15/20 12:36	10/15/20 19:36	91-57-6	
Naphthalene	<66.2	ug/kg	221	66.2	1	10/15/20 12:36	10/15/20 19:36	91-20-3	
Pentachlorophenol	<41.7	ug/kg	139	41.7	1	10/15/20 12:36	10/15/20 19:36	87-86-5	
Phenanthrene	<24.3	ug/kg	81.0	24.3	1	10/15/20 12:36	10/15/20 19:36	85-01-8	
Pyrene	<42.0	ug/kg	140	42.0	1	10/15/20 12:36	10/15/20 19:36	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	17-110		1	10/15/20 12:36	10/15/20 19:36	4165-60-0	
2-Fluorobiphenyl (S)	68	%	45-103		1	10/15/20 12:36	10/15/20 19:36	321-60-8	
Terphenyl-d14 (S)	75	%	46-100		1	10/15/20 12:36	10/15/20 19:36	1718-51-0	
2,4,6-Tribromophenol (S)	75	%	10-153		1	10/15/20 12:36	10/15/20 19:36	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-2 (4'-8') Lab ID: 40216442004 Collected: 10/12/20 15:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 03:31	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/15/20 09:15	10/16/20 03:31	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/15/20 09:15	10/16/20 03:31	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/15/20 09:15	10/16/20 03:31	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:31	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 03:31	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/15/20 09:15	10/16/20 03:31	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/15/20 09:15	10/16/20 03:31	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/15/20 09:15	10/16/20 03:31	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 03:31	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 03:31	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/15/20 09:15	10/16/20 03:31	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/15/20 09:15	10/16/20 03:31	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/15/20 09:15	10/16/20 03:31	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/15/20 09:15	10/16/20 03:31	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/15/20 09:15	10/16/20 03:31	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/15/20 09:15	10/16/20 03:31	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:31	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/15/20 09:15	10/16/20 03:31	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/15/20 09:15	10/16/20 03:31	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-2 (4'-8') Lab ID: 40216442004 Collected: 10/12/20 15:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/15/20 09:15	10/16/20 03:31	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/15/20 09:15	10/16/20 03:31	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/15/20 09:15	10/16/20 03:31	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/15/20 09:15	10/16/20 03:31	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/15/20 09:15	10/16/20 03:31	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/15/20 09:15	10/16/20 03:31	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:31	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	58-145		1	10/15/20 09:15	10/16/20 03:31	1868-53-7	
Toluene-d8 (S)	103	%	56-140		1	10/15/20 09:15	10/16/20 03:31	2037-26-5	
4-Bromofluorobenzene (S)	93	%	52-137		1	10/15/20 09:15	10/16/20 03:31	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	11.9	%	0.10	0.10	1	10/14/20 08:19
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-3 (0'-4') Lab ID: 40216442005 Collected: 10/12/20 15:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.89	mg/kg	2.2	0.89	1	10/16/20 07:47	10/16/20 19:32	7440-36-0	
Arsenic	<1.6	mg/kg	2.8	1.6	1	10/16/20 07:47	10/16/20 19:32	7440-38-2	
Beryllium	0.24J	mg/kg	0.44	0.13	1	10/16/20 07:47	10/16/20 19:32	7440-41-7	
Cadmium	0.19J	mg/kg	0.56	0.15	1	10/16/20 07:47	10/16/20 19:32	7440-43-9	
Chromium	18.3	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 19:32	7440-47-3	
Copper	7.7	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 19:32	7440-50-8	
Lead	15.0	mg/kg	2.2	0.67	1	10/16/20 07:47	10/16/20 19:32	7439-92-1	
Nickel	6.1	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:32	7440-02-0	
Selenium	<1.5	mg/kg	4.4	1.5	1	10/16/20 07:47	10/16/20 19:32	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/16/20 07:47	10/16/20 19:32	7440-22-4	
Thallium	0.87J	mg/kg	4.4	0.86	1	10/16/20 07:47	10/16/20 19:32	7440-28-0	
Zinc	61.4	mg/kg	4.4	1.3	1	10/16/20 07:47	10/16/20 19:32	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.055	mg/kg	0.038	0.011	1	10/15/20 09:05	10/15/20 13:07	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<66.7	ug/kg	222	66.7	1	10/15/20 13:31	10/16/20 15:24	83-32-9	
Acenaphthylene	<67.1	ug/kg	224	67.1	1	10/15/20 13:31	10/16/20 15:24	208-96-8	
Anthracene	<30.1	ug/kg	100	30.1	1	10/15/20 13:31	10/16/20 15:24	120-12-7	
Benzo(a)anthracene	<29.1	ug/kg	97.1	29.1	1	10/15/20 13:31	10/16/20 15:24	56-55-3	
Benzo(a)pyrene	39.7J	ug/kg	94.4	28.3	1	10/15/20 13:31	10/16/20 15:24	50-32-8	
Benzo(b)fluoranthene	<32.3	ug/kg	108	32.3	1	10/15/20 13:31	10/16/20 15:24	205-99-2	
Benzo(g,h,i)perylene	62.3J	ug/kg	164	49.2	1	10/15/20 13:31	10/16/20 15:24	191-24-2	
Benzo(k)fluoranthene	<45.1	ug/kg	150	45.1	1	10/15/20 13:31	10/16/20 15:24	207-08-9	
Chrysene	<28.1	ug/kg	93.8	28.1	1	10/15/20 13:31	10/16/20 15:24	218-01-9	
Dibenz(a,h)anthracene	<51.1	ug/kg	170	51.1	1	10/15/20 13:31	10/16/20 15:24	53-70-3	
Fluoranthene	32.4J	ug/kg	88.8	26.6	1	10/15/20 13:31	10/16/20 15:24	206-44-0	
Fluorene	<22.0	ug/kg	73.3	22.0	1	10/15/20 13:31	10/16/20 15:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<40.7	ug/kg	136	40.7	1	10/15/20 13:31	10/16/20 15:24	193-39-5	
1-Methylnaphthalene	<53.6	ug/kg	179	53.6	1	10/15/20 13:31	10/16/20 15:24	90-12-0	
2-Methylnaphthalene	<48.9	ug/kg	163	48.9	1	10/15/20 13:31	10/16/20 15:24	91-57-6	
Naphthalene	<65.8	ug/kg	219	65.8	1	10/15/20 13:31	10/16/20 15:24	91-20-3	
Pentachlorophenol	<41.4	ug/kg	138	41.4	1	10/15/20 13:31	10/16/20 15:24	87-86-5	
Phenanthrene	<24.1	ug/kg	80.5	24.1	1	10/15/20 13:31	10/16/20 15:24	85-01-8	
Pyrene	45.5J	ug/kg	139	41.7	1	10/15/20 13:31	10/16/20 15:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	17-110		1	10/15/20 13:31	10/16/20 15:24	4165-60-0	
2-Fluorobiphenyl (S)	74	%	45-103		1	10/15/20 13:31	10/16/20 15:24	321-60-8	
Terphenyl-d14 (S)	85	%	46-100		1	10/15/20 13:31	10/16/20 15:24	1718-51-0	
2,4,6-Tribromophenol (S)	65	%	10-153		1	10/15/20 13:31	10/16/20 15:24	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-3 (0'-4') Lab ID: 40216442005 Collected: 10/12/20 15:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 03:54	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/15/20 09:15	10/16/20 03:54	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/15/20 09:15	10/16/20 03:54	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/15/20 09:15	10/16/20 03:54	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:54	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 03:54	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/15/20 09:15	10/16/20 03:54	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/15/20 09:15	10/16/20 03:54	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/15/20 09:15	10/16/20 03:54	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 03:54	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 03:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/15/20 09:15	10/16/20 03:54	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/15/20 09:15	10/16/20 03:54	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/15/20 09:15	10/16/20 03:54	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/15/20 09:15	10/16/20 03:54	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/15/20 09:15	10/16/20 03:54	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/15/20 09:15	10/16/20 03:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 03:54	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/15/20 09:15	10/16/20 03:54	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/15/20 09:15	10/16/20 03:54	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-3 (0'-4') Lab ID: 40216442005 Collected: 10/12/20 15:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/15/20 09:15	10/16/20 03:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/15/20 09:15	10/16/20 03:54	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/15/20 09:15	10/16/20 03:54	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/15/20 09:15	10/16/20 03:54	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/15/20 09:15	10/16/20 03:54	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/15/20 09:15	10/16/20 03:54	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 03:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	124	%	58-145		1	10/15/20 09:15	10/16/20 03:54	1868-53-7	
Toluene-d8 (S)	118	%	56-140		1	10/15/20 09:15	10/16/20 03:54	2037-26-5	
4-Bromofluorobenzene (S)	109	%	52-137		1	10/15/20 09:15	10/16/20 03:54	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	11.3	%	0.10	0.10	1		10/14/20 08:19		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-3 (8'-12') Lab ID: 40216442006 Collected: 10/12/20 15:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.89	mg/kg	2.2	0.89	1	10/16/20 07:47	10/16/20 19:34	7440-36-0	
Arsenic	3.1	mg/kg	2.8	1.6	1	10/16/20 07:47	10/16/20 19:34	7440-38-2	
Beryllium	1.3	mg/kg	0.45	0.13	1	10/16/20 07:47	10/16/20 19:34	7440-41-7	
Cadmium	<0.15	mg/kg	0.56	0.15	1	10/16/20 07:47	10/16/20 19:34	7440-43-9	
Chromium	11.4	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 19:34	7440-47-3	
Copper	8.8	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 19:34	7440-50-8	
Lead	43.6	mg/kg	2.2	0.67	1	10/16/20 07:47	10/16/20 19:34	7439-92-1	
Nickel	5.5	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 19:34	7440-02-0	
Selenium	<1.5	mg/kg	4.5	1.5	1	10/16/20 07:47	10/16/20 19:34	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/16/20 07:47	10/16/20 19:34	7440-22-4	
Thallium	1.3J	mg/kg	4.5	0.87	1	10/16/20 07:47	10/16/20 19:34	7440-28-0	
Zinc	118	mg/kg	4.5	1.3	1	10/16/20 07:47	10/16/20 19:34	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.037	0.011	1	10/15/20 09:05	10/15/20 13:14	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<69.0	ug/kg	230	69.0	1	10/15/20 13:31	10/16/20 15:45	83-32-9	
Acenaphthylene	<69.4	ug/kg	231	69.4	1	10/15/20 13:31	10/16/20 15:45	208-96-8	
Anthracene	<31.1	ug/kg	104	31.1	1	10/15/20 13:31	10/16/20 15:45	120-12-7	
Benzo(a)anthracene	<30.1	ug/kg	100	30.1	1	10/15/20 13:31	10/16/20 15:45	56-55-3	
Benzo(a)pyrene	<29.3	ug/kg	97.6	29.3	1	10/15/20 13:31	10/16/20 15:45	50-32-8	
Benzo(b)fluoranthene	<33.4	ug/kg	111	33.4	1	10/15/20 13:31	10/16/20 15:45	205-99-2	
Benzo(g,h,i)perylene	<50.9	ug/kg	170	50.9	1	10/15/20 13:31	10/16/20 15:45	191-24-2	
Benzo(k)fluoranthene	<46.6	ug/kg	155	46.6	1	10/15/20 13:31	10/16/20 15:45	207-08-9	
Chrysene	<29.1	ug/kg	97.0	29.1	1	10/15/20 13:31	10/16/20 15:45	218-01-9	
Dibenz(a,h)anthracene	<52.9	ug/kg	176	52.9	1	10/15/20 13:31	10/16/20 15:45	53-70-3	
Fluoranthene	<27.5	ug/kg	91.8	27.5	1	10/15/20 13:31	10/16/20 15:45	206-44-0	
Fluorene	<22.7	ug/kg	75.8	22.7	1	10/15/20 13:31	10/16/20 15:45	86-73-7	
Indeno(1,2,3-cd)pyrene	<42.1	ug/kg	140	42.1	1	10/15/20 13:31	10/16/20 15:45	193-39-5	
1-Methylnaphthalene	<55.4	ug/kg	185	55.4	1	10/15/20 13:31	10/16/20 15:45	90-12-0	
2-Methylnaphthalene	<50.5	ug/kg	168	50.5	1	10/15/20 13:31	10/16/20 15:45	91-57-6	
Naphthalene	<68.0	ug/kg	227	68.0	1	10/15/20 13:31	10/16/20 15:45	91-20-3	
Pentachlorophenol	<42.9	ug/kg	143	42.9	1	10/15/20 13:31	10/16/20 15:45	87-86-5	
Phenanthrene	31.7J	ug/kg	83.2	25.0	1	10/15/20 13:31	10/16/20 15:45	85-01-8	
Pyrene	<43.1	ug/kg	144	43.1	1	10/15/20 13:31	10/16/20 15:45	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	17-110		1	10/15/20 13:31	10/16/20 15:45	4165-60-0	
2-Fluorobiphenyl (S)	62	%	45-103		1	10/15/20 13:31	10/16/20 15:45	321-60-8	
Terphenyl-d14 (S)	67	%	46-100		1	10/15/20 13:31	10/16/20 15:45	1718-51-0	
2,4,6-Tribromophenol (S)	42	%	10-153		1	10/15/20 13:31	10/16/20 15:45	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-3 (8'-12') Lab ID: 40216442006 Collected: 10/12/20 15:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 02:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/15/20 09:15	10/16/20 02:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/15/20 09:15	10/16/20 02:45	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/15/20 09:15	10/16/20 02:45	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 02:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/15/20 09:15	10/16/20 02:45	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/15/20 09:15	10/16/20 02:45	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/15/20 09:15	10/16/20 02:45	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/15/20 09:15	10/16/20 02:45	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 02:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/15/20 09:15	10/16/20 02:45	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/15/20 09:15	10/16/20 02:45	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/15/20 09:15	10/16/20 02:45	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/15/20 09:15	10/16/20 02:45	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/15/20 09:15	10/16/20 02:45	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/15/20 09:15	10/16/20 02:45	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/15/20 09:15	10/16/20 02:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/15/20 09:15	10/16/20 02:45	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/15/20 09:15	10/16/20 02:45	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/15/20 09:15	10/16/20 02:45	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-3 (8'-12') Lab ID: 40216442006 Collected: 10/12/20 15:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/15/20 09:15	10/16/20 02:45	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/15/20 09:15	10/16/20 02:45	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/15/20 09:15	10/16/20 02:45	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/15/20 09:15	10/16/20 02:45	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/15/20 09:15	10/16/20 02:45	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/15/20 09:15	10/16/20 02:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/15/20 09:15	10/16/20 02:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	58-145		1	10/15/20 09:15	10/16/20 02:45	1868-53-7	
Toluene-d8 (S)	120	%	56-140		1	10/15/20 09:15	10/16/20 02:45	2037-26-5	
4-Bromofluorobenzene (S)	101	%	52-137		1	10/15/20 09:15	10/16/20 02:45	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	14.2	%	0.10	0.10	1		10/14/20 08:19		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-4 (0.5'-4') Lab ID: 40216442007 Collected: 10/12/20 13:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.84	mg/kg	2.1	0.84	1	10/16/20 07:47	10/16/20 19:36	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 19:36	7440-38-2	
Beryllium	0.27J	mg/kg	0.42	0.13	1	10/16/20 07:47	10/16/20 19:36	7440-41-7	
Cadmium	<0.14	mg/kg	0.53	0.14	1	10/16/20 07:47	10/16/20 19:36	7440-43-9	
Chromium	7.6	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:36	7440-47-3	
Copper	8.3	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:36	7440-50-8	
Lead	4.6	mg/kg	2.1	0.63	1	10/16/20 07:47	10/16/20 19:36	7439-92-1	
Nickel	5.2	mg/kg	1.1	0.28	1	10/16/20 07:47	10/16/20 19:36	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:47	10/16/20 19:36	7782-49-2	
Silver	<0.32	mg/kg	1.1	0.32	1	10/16/20 07:47	10/16/20 19:36	7440-22-4	
Thallium	1.0J	mg/kg	4.2	0.81	1	10/16/20 07:47	10/16/20 19:36	7440-28-0	
Zinc	37.7	mg/kg	4.2	1.3	1	10/16/20 07:47	10/16/20 19:36	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.035	0.010	1	10/15/20 09:05	10/15/20 13:16	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<313	ug/kg	1040	313	5	10/15/20 13:31	10/19/20 12:10	83-32-9	
Acenaphthylene	<315	ug/kg	1050	315	5	10/15/20 13:31	10/19/20 12:10	208-96-8	
Anthracene	<141	ug/kg	471	141	5	10/15/20 13:31	10/19/20 12:10	120-12-7	
Benzo(a)anthracene	162J	ug/kg	456	137	5	10/15/20 13:31	10/19/20 12:10	56-55-3	
Benzo(a)pyrene	177J	ug/kg	443	133	5	10/15/20 13:31	10/19/20 12:10	50-32-8	
Benzo(b)fluoranthene	226J	ug/kg	506	152	5	10/15/20 13:31	10/19/20 12:10	205-99-2	
Benzo(g,h,i)perylene	<231	ug/kg	770	231	5	10/15/20 13:31	10/19/20 12:10	191-24-2	
Benzo(k)fluoranthene	<211	ug/kg	705	211	5	10/15/20 13:31	10/19/20 12:10	207-08-9	
Chrysene	197J	ug/kg	440	132	5	10/15/20 13:31	10/19/20 12:10	218-01-9	
Dibenz(a,h)anthracene	<240	ug/kg	800	240	5	10/15/20 13:31	10/19/20 12:10	53-70-3	
1,4-Dioxane (p-Dioxane)	<479	ug/kg	1600	479	5	10/15/20 13:31	10/19/20 12:10	123-91-1	
Fluoranthene	297J	ug/kg	417	125	5	10/15/20 13:31	10/19/20 12:10	206-44-0	
Fluorene	<103	ug/kg	344	103	5	10/15/20 13:31	10/19/20 12:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<191	ug/kg	637	191	5	10/15/20 13:31	10/19/20 12:10	193-39-5	
1-Methylnaphthalene	<252	ug/kg	838	252	5	10/15/20 13:31	10/19/20 12:10	90-12-0	D3
2-Methylnaphthalene	<229	ug/kg	764	229	5	10/15/20 13:31	10/19/20 12:10	91-57-6	
Naphthalene	<309	ug/kg	1030	309	5	10/15/20 13:31	10/19/20 12:10	91-20-3	
Pentachlorophenol	<195	ug/kg	648	195	5	10/15/20 13:31	10/19/20 12:10	87-86-5	
Phenanthrene	<113	ug/kg	378	113	5	10/15/20 13:31	10/19/20 12:10	85-01-8	
Pyrene	256J	ug/kg	653	196	5	10/15/20 13:31	10/19/20 12:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	17-110		5	10/15/20 13:31	10/19/20 12:10	4165-60-0	
2-Fluorobiphenyl (S)	70	%	45-103		5	10/15/20 13:31	10/19/20 12:10	321-60-8	
Terphenyl-d14 (S)	75	%	46-100		5	10/15/20 13:31	10/19/20 12:10	1718-51-0	
2,4,6-Tribromophenol (S)	69	%	10-153		5	10/15/20 13:31	10/19/20 12:10	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-4 (0.5'-4') Lab ID: 40216442007 Collected: 10/12/20 13:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 14:00	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 14:00	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 14:00	74-83-9	R1,W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 14:00	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 14:00	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 14:00	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	56-23-5	R1,W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 14:00	75-00-3	R1,W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 14:00	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 14:00	74-87-3	R1,W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 14:00	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 14:00	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 14:00	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 14:00	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-71-8	R1,W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-34-3	R1,W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-35-4	R1,W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	156-59-2	R1,W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 14:00	156-60-5	R1,W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 14:00	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 14:00	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	100-41-4	R1,W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 14:00	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 14:00	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 14:00	75-09-2	R1,W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 14:00	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-4 (0.5'-4') Lab ID: 40216442007 Collected: 10/12/20 13:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 14:00	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 14:00	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 14:00	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	71-55-6	R1,W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	79-01-6	R1,W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-69-4	R1,W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 14:00	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 14:00	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 14:00	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 14:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	58-145		1	10/16/20 08:30	10/16/20 14:00	1868-53-7	
Toluene-d8 (S)	101	%	56-140		1	10/16/20 08:30	10/16/20 14:00	2037-26-5	
4-Bromofluorobenzene (S)	96	%	52-137		1	10/16/20 08:30	10/16/20 14:00	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	5.5	%	0.10	0.10	1	10/14/20 08:20
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-4 (8'-12) Lab ID: 40216442008 Collected: 10/12/20 14:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.81	mg/kg	2.0	0.81	1	10/16/20 07:47	10/16/20 19:39	7440-36-0	
Arsenic	<1.5	mg/kg	2.5	1.5	1	10/16/20 07:47	10/16/20 19:39	7440-38-2	
Beryllium	0.27J	mg/kg	0.40	0.12	1	10/16/20 07:47	10/16/20 19:39	7440-41-7	
Cadmium	<0.13	mg/kg	0.51	0.13	1	10/16/20 07:47	10/16/20 19:39	7440-43-9	
Chromium	13.0	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 19:39	7440-47-3	
Copper	15.3	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 19:39	7440-50-8	
Lead	2.2	mg/kg	2.0	0.61	1	10/16/20 07:47	10/16/20 19:39	7439-92-1	
Nickel	11.5	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 19:39	7440-02-0	
Selenium	<1.3	mg/kg	4.0	1.3	1	10/16/20 07:47	10/16/20 19:39	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 19:39	7440-22-4	
Thallium	<0.78	mg/kg	4.0	0.78	1	10/16/20 07:47	10/16/20 19:39	7440-28-0	
Zinc	18.2	mg/kg	4.0	1.2	1	10/16/20 07:47	10/16/20 19:39	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0095	mg/kg	0.033	0.0095	1	10/15/20 09:05	10/15/20 13:19	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<60.8	ug/kg	203	60.8	1	10/15/20 13:31	10/20/20 12:46	83-32-9	
Acenaphthylene	<61.2	ug/kg	204	61.2	1	10/15/20 13:31	10/20/20 12:46	208-96-8	
Anthracene	<27.4	ug/kg	91.4	27.4	1	10/15/20 13:31	10/20/20 12:46	120-12-7	
Benzo(a)anthracene	<26.6	ug/kg	88.5	26.6	1	10/15/20 13:31	10/20/20 12:46	56-55-3	
Benzo(a)pyrene	28.1J	ug/kg	86.0	25.8	1	10/15/20 13:31	10/20/20 12:46	50-32-8	
Benzo(b)fluoranthene	<29.5	ug/kg	98.2	29.5	1	10/15/20 13:31	10/20/20 12:46	205-99-2	
Benzo(g,h,i)perylene	<44.9	ug/kg	150	44.9	1	10/15/20 13:31	10/20/20 12:46	191-24-2	
Benzo(k)fluoranthene	<41.1	ug/kg	137	41.1	1	10/15/20 13:31	10/20/20 12:46	207-08-9	
Chrysene	<25.6	ug/kg	85.5	25.6	1	10/15/20 13:31	10/20/20 12:46	218-01-9	
Dibenz(a,h)anthracene	<46.6	ug/kg	155	46.6	1	10/15/20 13:31	10/20/20 12:46	53-70-3	
1,4-Dioxane (p-Dioxane)	<93.0	ug/kg	310	93.0	1	10/15/20 13:31	10/20/20 12:46	123-91-1	
Fluoranthene	<24.3	ug/kg	80.9	24.3	1	10/15/20 13:31	10/20/20 12:46	206-44-0	
Fluorene	<20.0	ug/kg	66.8	20.0	1	10/15/20 13:31	10/20/20 12:46	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.1	ug/kg	124	37.1	1	10/15/20 13:31	10/20/20 12:46	193-39-5	
1-Methylnaphthalene	<48.8	ug/kg	163	48.8	1	10/15/20 13:31	10/20/20 12:46	90-12-0	
2-Methylnaphthalene	<44.5	ug/kg	148	44.5	1	10/15/20 13:31	10/20/20 12:46	91-57-6	
Naphthalene	<60.0	ug/kg	200	60.0	1	10/15/20 13:31	10/20/20 12:46	91-20-3	
Pentachlorophenol	<37.8	ug/kg	126	37.8	1	10/15/20 13:31	10/20/20 12:46	87-86-5	
Phenanthrene	<22.0	ug/kg	73.3	22.0	1	10/15/20 13:31	10/20/20 12:46	85-01-8	
Pyrene	<38.0	ug/kg	127	38.0	1	10/15/20 13:31	10/20/20 12:46	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	70	%	17-110		1	10/15/20 13:31	10/20/20 12:46	4165-60-0	
2-Fluorobiphenyl (S)	83	%	45-103		1	10/15/20 13:31	10/20/20 12:46	321-60-8	
Terphenyl-d14 (S)	84	%	46-100		1	10/15/20 13:31	10/20/20 12:46	1718-51-0	
2,4,6-Tribromophenol (S)	93	%	10-153		1	10/15/20 13:31	10/20/20 12:46	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-4 (8'-12) Lab ID: 40216442008 Collected: 10/12/20 14:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 19:32	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 19:32	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 19:32	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 19:32	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:32	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 19:32	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 19:32	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 19:32	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 19:32	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 19:32	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 19:32	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 19:32	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 19:32	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 19:32	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 19:32	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 19:32	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 19:32	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:32	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 19:32	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 19:32	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-4 (8'-12) Lab ID: 40216442008 Collected: 10/12/20 14:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 19:32	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 19:32	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 19:32	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 19:32	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 19:32	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 19:32	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:32	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	58-145		1	10/16/20 08:30	10/16/20 19:32	1868-53-7	
Toluene-d8 (S)	115	%	56-140		1	10/16/20 08:30	10/16/20 19:32	2037-26-5	
4-Bromofluorobenzene (S)	104	%	52-137		1	10/16/20 08:30	10/16/20 19:32	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	2.5	%	0.10	0.10	1		10/14/20 08:20		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-7 (0'-4') Lab ID: 40216442009 Collected: 10/12/20 13:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.83	mg/kg	2.1	0.83	1	10/16/20 07:47	10/16/20 19:46	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 19:46	7440-38-2	
Beryllium	0.30J	mg/kg	0.42	0.12	1	10/16/20 07:47	10/16/20 19:46	7440-41-7	
Cadmium	<0.14	mg/kg	0.52	0.14	1	10/16/20 07:47	10/16/20 19:46	7440-43-9	
Chromium	0.55J	mg/kg	1.0	0.29	1	10/16/20 07:47	10/16/20 19:46	7440-47-3	
Copper	3.4	mg/kg	1.0	0.29	1	10/16/20 07:47	10/16/20 19:46	7440-50-8	
Lead	6.2	mg/kg	2.1	0.62	1	10/16/20 07:47	10/16/20 19:46	7439-92-1	
Nickel	0.77J	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 19:46	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:47	10/16/20 19:46	7782-49-2	
Silver	0.33J	mg/kg	1.0	0.32	1	10/16/20 07:47	10/16/20 19:46	7440-22-4	
Thallium	1.4J	mg/kg	4.2	0.81	1	10/16/20 07:47	10/16/20 19:46	7440-28-0	
Zinc	38.9	mg/kg	4.2	1.3	1	10/16/20 07:47	10/16/20 19:46	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.035	0.010	1	10/15/20 09:05	10/15/20 13:21	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<318	ug/kg	1060	318	5	10/15/20 13:31	10/16/20 18:55	83-32-9	
Acenaphthylene	<320	ug/kg	1070	320	5	10/15/20 13:31	10/16/20 18:55	208-96-8	
Anthracene	<143	ug/kg	478	143	5	10/15/20 13:31	10/16/20 18:55	120-12-7	
Benzo(a)anthracene	<139	ug/kg	463	139	5	10/15/20 13:31	10/16/20 18:55	56-55-3	
Benzo(a)pyrene	<135	ug/kg	450	135	5	10/15/20 13:31	10/16/20 18:55	50-32-8	
Benzo(b)fluoranthene	<154	ug/kg	514	154	5	10/15/20 13:31	10/16/20 18:55	205-99-2	
Benzo(g,h,i)perylene	<235	ug/kg	782	235	5	10/15/20 13:31	10/16/20 18:55	191-24-2	
Benzo(k)fluoranthene	<215	ug/kg	716	215	5	10/15/20 13:31	10/16/20 18:55	207-08-9	
Chrysene	<134	ug/kg	447	134	5	10/15/20 13:31	10/16/20 18:55	218-01-9	
Dibenz(a,h)anthracene	<244	ug/kg	812	244	5	10/15/20 13:31	10/16/20 18:55	53-70-3	
Fluoranthene	<127	ug/kg	423	127	5	10/15/20 13:31	10/16/20 18:55	206-44-0	
Fluorene	<105	ug/kg	349	105	5	10/15/20 13:31	10/16/20 18:55	86-73-7	
Indeno(1,2,3-cd)pyrene	<194	ug/kg	647	194	5	10/15/20 13:31	10/16/20 18:55	193-39-5	
1-Methylnaphthalene	<255	ug/kg	851	255	5	10/15/20 13:31	10/16/20 18:55	90-12-0	D3
2-Methylnaphthalene	<233	ug/kg	776	233	5	10/15/20 13:31	10/16/20 18:55	91-57-6	
Naphthalene	<314	ug/kg	1050	314	5	10/15/20 13:31	10/16/20 18:55	91-20-3	
Pentachlorophenol	<197	ug/kg	658	197	5	10/15/20 13:31	10/16/20 18:55	87-86-5	
Phenanthrene	<115	ug/kg	383	115	5	10/15/20 13:31	10/16/20 18:55	85-01-8	
Pyrene	<199	ug/kg	663	199	5	10/15/20 13:31	10/16/20 18:55	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	17-110		5	10/15/20 13:31	10/16/20 18:55	4165-60-0	
2-Fluorobiphenyl (S)	66	%	45-103		5	10/15/20 13:31	10/16/20 18:55	321-60-8	
Terphenyl-d14 (S)	71	%	46-100		5	10/15/20 13:31	10/16/20 18:55	1718-51-0	
2,4,6-Tribromophenol (S)	49	%	10-153		5	10/15/20 13:31	10/16/20 18:55	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-7 (0'-4') Lab ID: 40216442009 Collected: 10/12/20 13:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 19:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 19:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 19:55	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 19:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 19:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 19:55	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 19:55	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 19:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 19:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 19:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 19:55	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 19:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 19:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 19:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 19:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 19:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 19:55	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 19:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 19:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-7 (0'-4') Lab ID: 40216442009 Collected: 10/12/20 13:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 19:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 19:55	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 19:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 19:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 19:55	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 19:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 19:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	58-145		1	10/16/20 08:30	10/16/20 19:55	1868-53-7	
Toluene-d8 (S)	112	%	56-140		1	10/16/20 08:30	10/16/20 19:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	10/16/20 08:30	10/16/20 19:55	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	6.9	%	0.10	0.10	1		10/14/20 08:20		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-7 (8'-12') Lab ID: 40216442010 Collected: 10/12/20 13:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.84	mg/kg	2.1	0.84	1	10/16/20 07:47	10/16/20 19:48	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 19:48	7440-38-2	
Beryllium	0.19J	mg/kg	0.42	0.13	1	10/16/20 07:47	10/16/20 19:48	7440-41-7	
Cadmium	<0.14	mg/kg	0.53	0.14	1	10/16/20 07:47	10/16/20 19:48	7440-43-9	
Chromium	6.3	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:48	7440-47-3	
Copper	7.1	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 19:48	7440-50-8	
Lead	1.6J	mg/kg	2.1	0.63	1	10/16/20 07:47	10/16/20 19:48	7439-92-1	
Nickel	6.7	mg/kg	1.1	0.28	1	10/16/20 07:47	10/16/20 19:48	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:47	10/16/20 19:48	7782-49-2	
Silver	<0.32	mg/kg	1.1	0.32	1	10/16/20 07:47	10/16/20 19:48	7440-22-4	
Thallium	<0.82	mg/kg	4.2	0.82	1	10/16/20 07:47	10/16/20 19:48	7440-28-0	
Zinc	9.6	mg/kg	4.2	1.3	1	10/16/20 07:47	10/16/20 19:48	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.039	0.011	1	10/15/20 09:55	10/15/20 13:28	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<66.8	ug/kg	223	66.8	1	10/15/20 13:31	10/16/20 15:03	83-32-9	
Acenaphthylene	<67.2	ug/kg	224	67.2	1	10/15/20 13:31	10/16/20 15:03	208-96-8	
Anthracene	<30.1	ug/kg	100	30.1	1	10/15/20 13:31	10/16/20 15:03	120-12-7	
Benzo(a)anthracene	<29.2	ug/kg	97.3	29.2	1	10/15/20 13:31	10/16/20 15:03	56-55-3	
Benzo(a)pyrene	<28.3	ug/kg	94.5	28.3	1	10/15/20 13:31	10/16/20 15:03	50-32-8	
Benzo(b)fluoranthene	<32.4	ug/kg	108	32.4	1	10/15/20 13:31	10/16/20 15:03	205-99-2	
Benzo(g,h,i)perylene	<49.3	ug/kg	164	49.3	1	10/15/20 13:31	10/16/20 15:03	191-24-2	
Benzo(k)fluoranthene	<45.1	ug/kg	150	45.1	1	10/15/20 13:31	10/16/20 15:03	207-08-9	
Chrysene	<28.2	ug/kg	93.9	28.2	1	10/15/20 13:31	10/16/20 15:03	218-01-9	
Dibenz(a,h)anthracene	<51.2	ug/kg	171	51.2	1	10/15/20 13:31	10/16/20 15:03	53-70-3	
Fluoranthene	<26.7	ug/kg	88.9	26.7	1	10/15/20 13:31	10/16/20 15:03	206-44-0	
Fluorene	<22.0	ug/kg	73.4	22.0	1	10/15/20 13:31	10/16/20 15:03	86-73-7	
Indeno(1,2,3-cd)pyrene	<40.8	ug/kg	136	40.8	1	10/15/20 13:31	10/16/20 15:03	193-39-5	
1-Methylnaphthalene	<53.6	ug/kg	179	53.6	1	10/15/20 13:31	10/16/20 15:03	90-12-0	
2-Methylnaphthalene	<48.9	ug/kg	163	48.9	1	10/15/20 13:31	10/16/20 15:03	91-57-6	
Naphthalene	<65.9	ug/kg	220	65.9	1	10/15/20 13:31	10/16/20 15:03	91-20-3	
Pentachlorophenol	<41.5	ug/kg	138	41.5	1	10/15/20 13:31	10/16/20 15:03	87-86-5	
Phenanthrene	<24.2	ug/kg	80.6	24.2	1	10/15/20 13:31	10/16/20 15:03	85-01-8	
Pyrene	<41.8	ug/kg	139	41.8	1	10/15/20 13:31	10/16/20 15:03	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	45	%	17-110		1	10/15/20 13:31	10/16/20 15:03	4165-60-0	
2-Fluorobiphenyl (S)	56	%	45-103		1	10/15/20 13:31	10/16/20 15:03	321-60-8	
Terphenyl-d14 (S)	72	%	46-100		1	10/15/20 13:31	10/16/20 15:03	1718-51-0	
2,4,6-Tribromophenol (S)	69	%	10-153		1	10/15/20 13:31	10/16/20 15:03	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-7 (8'-12') Lab ID: 40216442010 Collected: 10/12/20 13:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 20:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 20:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 20:17	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 20:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 20:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 20:17	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 20:17	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 20:17	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 20:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 20:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 20:17	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 20:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 20:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 20:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 20:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 20:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:17	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 20:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 20:17	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-7 (8'-12') Lab ID: 40216442010 Collected: 10/12/20 13:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 20:17	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 20:17	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 20:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 20:17	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 20:17	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 20:17	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	10/16/20 08:30	10/16/20 20:17	1868-53-7	
Toluene-d8 (S)	112	%	56-140		1	10/16/20 08:30	10/16/20 20:17	2037-26-5	
4-Bromofluorobenzene (S)	105	%	52-137		1	10/16/20 08:30	10/16/20 20:17	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	11.4	%	0.10	0.10	1		10/14/20 08:20		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-8 (0'-4') Lab ID: 40216442011 Collected: 10/12/20 14:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	4.5	mg/kg	3.8	1.5	1	10/16/20 07:47	10/16/20 19:51	7440-36-0	
Arsenic	9.3	mg/kg	4.8	2.8	1	10/16/20 07:47	10/16/20 19:51	7440-38-2	
Beryllium	<0.23	mg/kg	0.76	0.23	1	10/16/20 07:47	10/16/20 19:51	7440-41-7	
Cadmium	0.87J	mg/kg	0.95	0.25	1	10/16/20 07:47	10/16/20 19:51	7440-43-9	
Chromium	7.7	mg/kg	3.8	1.1	2	10/16/20 07:47	10/19/20 13:40	7440-47-3	
Copper	75.8	mg/kg	1.9	0.53	1	10/16/20 07:47	10/16/20 19:51	7440-50-8	
Lead	35.9	mg/kg	7.6	2.3	2	10/16/20 07:47	10/19/20 13:40	7439-92-1	
Nickel	10.6	mg/kg	1.9	0.51	1	10/16/20 07:47	10/16/20 19:51	7440-02-0	
Selenium	<2.5	mg/kg	7.6	2.5	1	10/16/20 07:47	10/16/20 19:51	7782-49-2	
Silver	<0.59	mg/kg	1.9	0.59	1	10/16/20 07:47	10/16/20 19:51	7440-22-4	
Thallium	<3.0	mg/kg	15.3	3.0	2	10/16/20 07:47	10/19/20 13:40	7440-28-0	D3
Zinc	349	mg/kg	7.6	2.3	1	10/16/20 07:47	10/16/20 19:51	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.024J	mg/kg	0.067	0.019	1	10/15/20 09:55	10/15/20 13:35	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<1140	ug/kg	3810	1140	10	10/15/20 13:31	10/20/20 13:07	83-32-9	
Acenaphthylene	<1150	ug/kg	3840	1150	10	10/15/20 13:31	10/20/20 13:07	208-96-8	
Anthracene	<516	ug/kg	1720	516	10	10/15/20 13:31	10/20/20 13:07	120-12-7	
Benzo(a)anthracene	<500	ug/kg	1670	500	10	10/15/20 13:31	10/20/20 13:07	56-55-3	
Benzo(a)pyrene	587J	ug/kg	1620	485	10	10/15/20 13:31	10/20/20 13:07	50-32-8	
Benzo(b)fluoranthene	<554	ug/kg	1850	554	10	10/15/20 13:31	10/20/20 13:07	205-99-2	
Benzo(g,h,i)perylene	<844	ug/kg	2810	844	10	10/15/20 13:31	10/20/20 13:07	191-24-2	
Benzo(k)fluoranthene	<773	ug/kg	2580	773	10	10/15/20 13:31	10/20/20 13:07	207-08-9	
Chrysene	<482	ug/kg	1610	482	10	10/15/20 13:31	10/20/20 13:07	218-01-9	
Dibenz(a,h)anthracene	<876	ug/kg	2920	876	10	10/15/20 13:31	10/20/20 13:07	53-70-3	
1,4-Dioxane (p-Dioxane)	<1750	ug/kg	5830	1750	10	10/15/20 13:31	10/20/20 13:07	123-91-1	
Fluoranthene	<457	ug/kg	1520	457	10	10/15/20 13:31	10/20/20 13:07	206-44-0	
Fluorene	<377	ug/kg	1260	377	10	10/15/20 13:31	10/20/20 13:07	86-73-7	
Indeno(1,2,3-cd)pyrene	732J	ug/kg	2330	698	10	10/15/20 13:31	10/20/20 13:07	193-39-5	
1-Methylnaphthalene	<919	ug/kg	3060	919	10	10/15/20 13:31	10/20/20 13:07	90-12-0	D3
2-Methylnaphthalene	<838	ug/kg	2790	838	10	10/15/20 13:31	10/20/20 13:07	91-57-6	
Naphthalene	<1130	ug/kg	3760	1130	10	10/15/20 13:31	10/20/20 13:07	91-20-3	
Pentachlorophenol	<711	ug/kg	2370	711	10	10/15/20 13:31	10/20/20 13:07	87-86-5	
Phenanthrene	<414	ug/kg	1380	414	10	10/15/20 13:31	10/20/20 13:07	85-01-8	
Pyrene	<715	ug/kg	2380	715	10	10/15/20 13:31	10/20/20 13:07	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	17-110		10	10/15/20 13:31	10/20/20 13:07	4165-60-0	
2-Fluorobiphenyl (S)	64	%	45-103		10	10/15/20 13:31	10/20/20 13:07	321-60-8	
Terphenyl-d14 (S)	73	%	46-100		10	10/15/20 13:31	10/20/20 13:07	1718-51-0	
2,4,6-Tribromophenol (S)	56	%	10-153		10	10/15/20 13:31	10/20/20 13:07	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-8 (0'-4') Lab ID: 40216442011 Collected: 10/12/20 14:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 20:40	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 20:40	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 20:40	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 20:40	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:40	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 20:40	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 20:40	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 20:40	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 20:40	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 20:40	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 20:40	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 20:40	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 20:40	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 20:40	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 20:40	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 20:40	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 20:40	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 20:40	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 20:40	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 20:40	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-8 (0'-4') Lab ID: 40216442011 Collected: 10/12/20 14:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 20:40	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 20:40	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 20:40	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 20:40	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 20:40	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 20:40	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 20:40	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	88	%	58-145		1	10/16/20 08:30	10/16/20 20:40	1868-53-7	
Toluene-d8 (S)	103	%	56-140		1	10/16/20 08:30	10/16/20 20:40	2037-26-5	
4-Bromofluorobenzene (S)	90	%	52-137		1	10/16/20 08:30	10/16/20 20:40	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	48.2	%	0.10	0.10	1	10/14/20 08:20
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-8 (8'-12') Lab ID: 40216442012 Collected: 10/12/20 14:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.77	mg/kg	1.9	0.77	1	10/16/20 07:47	10/16/20 19:54	7440-36-0	
Arsenic	<1.4	mg/kg	2.4	1.4	1	10/16/20 07:47	10/16/20 19:54	7440-38-2	
Beryllium	0.12J	mg/kg	0.39	0.12	1	10/16/20 07:47	10/16/20 19:54	7440-41-7	
Cadmium	<0.13	mg/kg	0.48	0.13	1	10/16/20 07:47	10/16/20 19:54	7440-43-9	
Chromium	5.2	mg/kg	0.97	0.27	1	10/16/20 07:47	10/16/20 19:54	7440-47-3	
Copper	5.1	mg/kg	0.97	0.27	1	10/16/20 07:47	10/16/20 19:54	7440-50-8	
Lead	0.87J	mg/kg	1.9	0.58	1	10/16/20 07:47	10/16/20 19:54	7439-92-1	
Nickel	4.7	mg/kg	0.97	0.26	1	10/16/20 07:47	10/16/20 19:54	7440-02-0	
Selenium	<1.3	mg/kg	3.9	1.3	1	10/16/20 07:47	10/16/20 19:54	7782-49-2	
Silver	<0.30	mg/kg	0.97	0.30	1	10/16/20 07:47	10/16/20 19:54	7440-22-4	
Thallium	<0.75	mg/kg	3.9	0.75	1	10/16/20 07:47	10/16/20 19:54	7440-28-0	
Zinc	7.9	mg/kg	3.9	1.2	1	10/16/20 07:47	10/16/20 19:54	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.037	0.011	1	10/15/20 09:55	10/15/20 13:42	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<62.4	ug/kg	208	62.4	1	10/15/20 13:31	10/16/20 16:06	83-32-9	
Acenaphthylene	<62.7	ug/kg	209	62.7	1	10/15/20 13:31	10/16/20 16:06	208-96-8	
Anthracene	<28.1	ug/kg	93.7	28.1	1	10/15/20 13:31	10/16/20 16:06	120-12-7	
Benzo(a)anthracene	<27.2	ug/kg	90.8	27.2	1	10/15/20 13:31	10/16/20 16:06	56-55-3	
Benzo(a)pyrene	<26.5	ug/kg	88.2	26.5	1	10/15/20 13:31	10/16/20 16:06	50-32-8	
Benzo(b)fluoranthene	<30.2	ug/kg	101	30.2	1	10/15/20 13:31	10/16/20 16:06	205-99-2	
Benzo(g,h,i)perylene	<46.0	ug/kg	153	46.0	1	10/15/20 13:31	10/16/20 16:06	191-24-2	
Benzo(k)fluoranthene	<42.1	ug/kg	140	42.1	1	10/15/20 13:31	10/16/20 16:06	207-08-9	
Chrysene	<26.3	ug/kg	87.6	26.3	1	10/15/20 13:31	10/16/20 16:06	218-01-9	
Dibenz(a,h)anthracene	<47.8	ug/kg	159	47.8	1	10/15/20 13:31	10/16/20 16:06	53-70-3	
1,4-Dioxane (p-Dioxane)	<95.3	ug/kg	318	95.3	1	10/15/20 13:31	10/16/20 16:06	123-91-1	
Fluoranthene	<24.9	ug/kg	82.9	24.9	1	10/15/20 13:31	10/16/20 16:06	206-44-0	
Fluorene	<20.6	ug/kg	68.5	20.6	1	10/15/20 13:31	10/16/20 16:06	86-73-7	
Indeno(1,2,3-cd)pyrene	<38.1	ug/kg	127	38.1	1	10/15/20 13:31	10/16/20 16:06	193-39-5	
1-Methylnaphthalene	<50.1	ug/kg	167	50.1	1	10/15/20 13:31	10/16/20 16:06	90-12-0	
2-Methylnaphthalene	<45.7	ug/kg	152	45.7	1	10/15/20 13:31	10/16/20 16:06	91-57-6	
Naphthalene	<61.5	ug/kg	205	61.5	1	10/15/20 13:31	10/16/20 16:06	91-20-3	
Pentachlorophenol	<38.7	ug/kg	129	38.7	1	10/15/20 13:31	10/16/20 16:06	87-86-5	
Phenanthrene	<22.6	ug/kg	75.2	22.6	1	10/15/20 13:31	10/16/20 16:06	85-01-8	
Pyrene	<39.0	ug/kg	130	39.0	1	10/15/20 13:31	10/16/20 16:06	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	54	%	17-110		1	10/15/20 13:31	10/16/20 16:06	4165-60-0	
2-Fluorobiphenyl (S)	71	%	45-103		1	10/15/20 13:31	10/16/20 16:06	321-60-8	
Terphenyl-d14 (S)	84	%	46-100		1	10/15/20 13:31	10/16/20 16:06	1718-51-0	
2,4,6-Tribromophenol (S)	68	%	10-153		1	10/15/20 13:31	10/16/20 16:06	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-8 (8'-12') Lab ID: 40216442012 Collected: 10/12/20 14:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 21:03	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 21:03	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 21:03	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 21:03	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:03	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 21:03	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 21:03	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 21:03	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 21:03	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 21:03	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 21:03	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 21:03	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 21:03	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 21:03	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 21:03	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 21:03	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 21:03	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:03	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 21:03	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 21:03	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-8 (8'-12') Lab ID: 40216442012 Collected: 10/12/20 14:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 21:03	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 21:03	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 21:03	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 21:03	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 21:03	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 21:03	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	58-145		1	10/16/20 08:30	10/16/20 21:03	1868-53-7	
Toluene-d8 (S)	107	%	56-140		1	10/16/20 08:30	10/16/20 21:03	2037-26-5	
4-Bromofluorobenzene (S)	96	%	52-137		1	10/16/20 08:30	10/16/20 21:03	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	4.9	%	0.10	0.10	1	10/14/20 08:20
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-14 (0'-4') Lab ID: 40216442013 Collected: 10/12/20 15:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<1.1	mg/kg	2.8	1.1	1	10/16/20 07:47	10/16/20 19:56	7440-36-0	
Arsenic	<2.1	mg/kg	3.5	2.1	1	10/16/20 07:47	10/16/20 19:56	7440-38-2	
Beryllium	0.32J	mg/kg	0.57	0.17	1	10/16/20 07:47	10/16/20 19:56	7440-41-7	
Cadmium	0.30J	mg/kg	0.71	0.19	1	10/16/20 07:47	10/16/20 19:56	7440-43-9	
Chromium	7.8	mg/kg	1.4	0.39	1	10/16/20 07:47	10/16/20 19:56	7440-47-3	
Copper	12.3	mg/kg	1.4	0.39	1	10/16/20 07:47	10/16/20 19:56	7440-50-8	
Lead	20.2	mg/kg	2.8	0.85	1	10/16/20 07:47	10/16/20 19:56	7439-92-1	
Nickel	4.6	mg/kg	1.4	0.37	1	10/16/20 07:47	10/16/20 19:56	7440-02-0	
Selenium	<1.9	mg/kg	5.7	1.9	1	10/16/20 07:47	10/16/20 19:56	7782-49-2	
Silver	<0.43	mg/kg	1.4	0.43	1	10/16/20 07:47	10/16/20 19:56	7440-22-4	
Thallium	1.1J	mg/kg	5.7	1.1	1	10/16/20 07:47	10/16/20 19:56	7440-28-0	
Zinc	60.9	mg/kg	5.7	1.7	1	10/16/20 07:47	10/16/20 19:56	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.034J	mg/kg	0.046	0.013	1	10/15/20 09:55	10/15/20 13:44	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<430	ug/kg	1430	430	5	10/15/20 13:31	10/19/20 12:31	83-32-9	
Acenaphthylene	<432	ug/kg	1440	432	5	10/15/20 13:31	10/19/20 12:31	208-96-8	
Anthracene	556J	ug/kg	646	194	5	10/15/20 13:31	10/19/20 12:31	120-12-7	
Benzo(a)anthracene	2390	ug/kg	626	188	5	10/15/20 13:31	10/19/20 12:31	56-55-3	
Benzo(a)pyrene	2630	ug/kg	608	182	5	10/15/20 13:31	10/19/20 12:31	50-32-8	
Benzo(b)fluoranthene	3550	ug/kg	694	208	5	10/15/20 13:31	10/19/20 12:31	205-99-2	
Benzo(g,h,i)perylene	2310	ug/kg	1060	317	5	10/15/20 13:31	10/19/20 12:31	191-24-2	
Benzo(k)fluoranthene	1370	ug/kg	967	290	5	10/15/20 13:31	10/19/20 12:31	207-08-9	
Chrysene	2470	ug/kg	604	181	5	10/15/20 13:31	10/19/20 12:31	218-01-9	
Dibenz(a,h)anthracene	335J	ug/kg	1100	329	5	10/15/20 13:31	10/19/20 12:31	53-70-3	
1,4-Dioxane (p-Dioxane)	<657	ug/kg	2190	657	5	10/15/20 13:31	10/19/20 12:31	123-91-1	
Fluoranthene	5420	ug/kg	572	172	5	10/15/20 13:31	10/19/20 12:31	206-44-0	
Fluorene	<142	ug/kg	472	142	5	10/15/20 13:31	10/19/20 12:31	86-73-7	
Indeno(1,2,3-cd)pyrene	2360	ug/kg	874	262	5	10/15/20 13:31	10/19/20 12:31	193-39-5	
1-Methylnaphthalene	<345	ug/kg	1150	345	5	10/15/20 13:31	10/19/20 12:31	90-12-0	
2-Methylnaphthalene	<315	ug/kg	1050	315	5	10/15/20 13:31	10/19/20 12:31	91-57-6	
Naphthalene	<424	ug/kg	1410	424	5	10/15/20 13:31	10/19/20 12:31	91-20-3	
Pentachlorophenol	<267	ug/kg	890	267	5	10/15/20 13:31	10/19/20 12:31	87-86-5	
Phenanthrene	1780	ug/kg	518	156	5	10/15/20 13:31	10/19/20 12:31	85-01-8	
Pyrene	4030	ug/kg	896	269	5	10/15/20 13:31	10/19/20 12:31	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	51	%	17-110		5	10/15/20 13:31	10/19/20 12:31	4165-60-0	
2-Fluorobiphenyl (S)	60	%	45-103		5	10/15/20 13:31	10/19/20 12:31	321-60-8	
Terphenyl-d14 (S)	69	%	46-100		5	10/15/20 13:31	10/19/20 12:31	1718-51-0	
2,4,6-Tribromophenol (S)	73	%	10-153		5	10/15/20 13:31	10/19/20 12:31	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-14 (0'-4') Lab ID: 40216442013 Collected: 10/12/20 15:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 21:25	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 21:25	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 21:25	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 21:25	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:25	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 21:25	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 21:25	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 21:25	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 21:25	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 21:25	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 21:25	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 21:25	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 21:25	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 21:25	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 21:25	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 21:25	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 21:25	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:25	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 21:25	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 21:25	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-14 (0'-4') Lab ID: 40216442013 Collected: 10/12/20 15:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 21:25	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 21:25	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 21:25	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 21:25	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 21:25	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 21:25	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:25	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	100	%	58-145		1	10/16/20 08:30	10/16/20 21:25	1868-53-7	
Toluene-d8 (S)	107	%	56-140		1	10/16/20 08:30	10/16/20 21:25	2037-26-5	
4-Bromofluorobenzene (S)	96	%	52-137		1	10/16/20 08:30	10/16/20 21:25	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	31.1	%	0.10	0.10	1	10/14/20 08:20
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-14 (4'-8') Lab ID: 40216442014 Collected: 10/12/20 16:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	4.5	mg/kg	3.1	1.2	1	10/16/20 07:47	10/16/20 19:58	7440-36-0	
Arsenic	3.2J	mg/kg	3.8	2.2	1	10/16/20 07:47	10/16/20 19:58	7440-38-2	
Beryllium	0.33J	mg/kg	0.61	0.18	1	10/16/20 07:47	10/16/20 19:58	7440-41-7	
Cadmium	1.1	mg/kg	0.76	0.20	1	10/16/20 07:47	10/16/20 19:58	7440-43-9	
Chromium	12.5	mg/kg	1.5	0.42	1	10/16/20 07:47	10/16/20 19:58	7440-47-3	
Copper	54.8	mg/kg	1.5	0.42	1	10/16/20 07:47	10/16/20 19:58	7440-50-8	
Lead	209	mg/kg	3.1	0.91	1	10/16/20 07:47	10/16/20 19:58	7439-92-1	
Nickel	10.2	mg/kg	1.5	0.40	1	10/16/20 07:47	10/16/20 19:58	7440-02-0	
Selenium	<2.0	mg/kg	6.1	2.0	1	10/16/20 07:47	10/16/20 19:58	7782-49-2	
Silver	<0.47	mg/kg	1.5	0.47	1	10/16/20 07:47	10/16/20 19:58	7440-22-4	
Thallium	<1.2	mg/kg	6.1	1.2	1	10/16/20 07:47	10/16/20 19:58	7440-28-0	
Zinc	273	mg/kg	6.1	1.8	1	10/16/20 07:47	10/16/20 19:58	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.16	mg/kg	0.053	0.015	1	10/15/20 09:55	10/15/20 13:46	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<1880	ug/kg	6250	1880	20	10/15/20 13:31	10/19/20 12:52	83-32-9	
Acenaphthylene	<1890	ug/kg	6290	1890	20	10/15/20 13:31	10/19/20 12:52	208-96-8	
Anthracene	1500J	ug/kg	2820	845	20	10/15/20 13:31	10/19/20 12:52	120-12-7	
Benzo(a)anthracene	6550	ug/kg	2730	819	20	10/15/20 13:31	10/19/20 12:52	56-55-3	
Benzo(a)pyrene	9160	ug/kg	2650	796	20	10/15/20 13:31	10/19/20 12:52	50-32-8	
Benzo(b)fluoranthene	12100	ug/kg	3030	909	20	10/15/20 13:31	10/19/20 12:52	205-99-2	
Benzo(g,h,i)perylene	9320	ug/kg	4610	1380	20	10/15/20 13:31	10/19/20 12:52	191-24-2	
Benzo(k)fluoranthene	4700	ug/kg	4220	1270	20	10/15/20 13:31	10/19/20 12:52	207-08-9	
Chrysene	9540	ug/kg	2640	791	20	10/15/20 13:31	10/19/20 12:52	218-01-9	
Dibenz(a,h)anthracene	<1440	ug/kg	4790	1440	20	10/15/20 13:31	10/19/20 12:52	53-70-3	
1,4-Dioxane (p-Dioxane)	<2870	ug/kg	9560	2870	20	10/15/20 13:31	10/19/20 12:52	123-91-1	
Fluoranthene	21600	ug/kg	2500	749	20	10/15/20 13:31	10/19/20 12:52	206-44-0	
Fluorene	658J	ug/kg	2060	618	20	10/15/20 13:31	10/19/20 12:52	86-73-7	
Indeno(1,2,3-cd)pyrene	9140	ug/kg	3820	1140	20	10/15/20 13:31	10/19/20 12:52	193-39-5	
1-Methylnaphthalene	<1510	ug/kg	5020	1510	20	10/15/20 13:31	10/19/20 12:52	90-12-0	
2-Methylnaphthalene	<1370	ug/kg	4580	1370	20	10/15/20 13:31	10/19/20 12:52	91-57-6	
Naphthalene	<1850	ug/kg	6170	1850	20	10/15/20 13:31	10/19/20 12:52	91-20-3	
Pentachlorophenol	<1170	ug/kg	3880	1170	20	10/15/20 13:31	10/19/20 12:52	87-86-5	
Phenanthrene	13300	ug/kg	2260	679	20	10/15/20 13:31	10/19/20 12:52	85-01-8	
Pyrene	16200	ug/kg	3910	1170	20	10/15/20 13:31	10/19/20 12:52	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	49	%	17-110		20	10/15/20 13:31	10/19/20 12:52	4165-60-0	
2-Fluorobiphenyl (S)	56	%	45-103		20	10/15/20 13:31	10/19/20 12:52	321-60-8	
Terphenyl-d14 (S)	67	%	46-100		20	10/15/20 13:31	10/19/20 12:52	1718-51-0	
2,4,6-Tribromophenol (S)	52	%	10-153		20	10/15/20 13:31	10/19/20 12:52	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-14 (4'-8') Lab ID: 40216442014 Collected: 10/12/20 16:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 21:48	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 21:48	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 21:48	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 21:48	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:48	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 21:48	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 21:48	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 21:48	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 21:48	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 21:48	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 21:48	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 21:48	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 21:48	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 21:48	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 21:48	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 21:48	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 21:48	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 21:48	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 21:48	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 21:48	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-14 (4'-8') Lab ID: 40216442014 Collected: 10/12/20 16:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 21:48	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 21:48	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 21:48	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 21:48	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 21:48	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 21:48	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 21:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	58-145		1	10/16/20 08:30	10/16/20 21:48	1868-53-7	
Toluene-d8 (S)	108	%	56-140		1	10/16/20 08:30	10/16/20 21:48	2037-26-5	
4-Bromofluorobenzene (S)	99	%	52-137		1	10/16/20 08:30	10/16/20 21:48	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	36.9	%	0.10	0.10	1	10/14/20 08:20
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-15 (0'-4') Lab ID: 40216442015 Collected: 10/12/20 16:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.96	mg/kg	2.4	0.96	1	10/16/20 07:47	10/16/20 20:01	7440-36-0	
Arsenic	3.0J	mg/kg	3.0	1.8	1	10/16/20 07:47	10/16/20 20:01	7440-38-2	
Beryllium	0.65	mg/kg	0.48	0.14	1	10/16/20 07:47	10/16/20 20:01	7440-41-7	
Cadmium	0.51J	mg/kg	0.60	0.16	1	10/16/20 07:47	10/16/20 20:01	7440-43-9	
Chromium	13.1	mg/kg	1.2	0.33	1	10/16/20 07:47	10/16/20 20:01	7440-47-3	
Copper	27.8	mg/kg	1.2	0.33	1	10/16/20 07:47	10/16/20 20:01	7440-50-8	
Lead	28.2	mg/kg	2.4	0.72	1	10/16/20 07:47	10/16/20 20:01	7439-92-1	
Nickel	14.4	mg/kg	1.2	0.32	1	10/16/20 07:47	10/16/20 20:01	7440-02-0	
Selenium	<1.6	mg/kg	4.8	1.6	1	10/16/20 07:47	10/16/20 20:01	7782-49-2	
Silver	<0.37	mg/kg	1.2	0.37	1	10/16/20 07:47	10/16/20 20:01	7440-22-4	
Thallium	0.96J	mg/kg	4.8	0.93	1	10/16/20 07:47	10/16/20 20:01	7440-28-0	
Zinc	172	mg/kg	4.8	1.4	1	10/16/20 07:47	10/16/20 20:01	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.031J	mg/kg	0.043	0.012	1	10/15/20 09:55	10/15/20 13:49	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<775	ug/kg	2580	775	10	10/15/20 13:31	10/19/20 10:24	83-32-9	
Acenaphthylene	<779	ug/kg	2600	779	10	10/15/20 13:31	10/19/20 10:24	208-96-8	
Anthracene	<349	ug/kg	1160	349	10	10/15/20 13:31	10/19/20 10:24	120-12-7	
Benzo(a)anthracene	<338	ug/kg	1130	338	10	10/15/20 13:31	10/19/20 10:24	56-55-3	
Benzo(a)pyrene	<329	ug/kg	1100	329	10	10/15/20 13:31	10/19/20 10:24	50-32-8	
Benzo(b)fluoranthene	<375	ug/kg	1250	375	10	10/15/20 13:31	10/19/20 10:24	205-99-2	
Benzo(g,h,i)perylene	<571	ug/kg	1900	571	10	10/15/20 13:31	10/19/20 10:24	191-24-2	
Benzo(k)fluoranthene	<523	ug/kg	1740	523	10	10/15/20 13:31	10/19/20 10:24	207-08-9	
Chrysene	<327	ug/kg	1090	327	10	10/15/20 13:31	10/19/20 10:24	218-01-9	
Dibenz(a,h)anthracene	<593	ug/kg	1980	593	10	10/15/20 13:31	10/19/20 10:24	53-70-3	
1,4-Dioxane (p-Dioxane)	<1180	ug/kg	3950	1180	10	10/15/20 13:31	10/19/20 10:24	123-91-1	
Fluoranthene	<309	ug/kg	1030	309	10	10/15/20 13:31	10/19/20 10:24	206-44-0	
Fluorene	<255	ug/kg	851	255	10	10/15/20 13:31	10/19/20 10:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<473	ug/kg	1580	473	10	10/15/20 13:31	10/19/20 10:24	193-39-5	
1-Methylnaphthalene	<622	ug/kg	2070	622	10	10/15/20 13:31	10/19/20 10:24	90-12-0	D3
2-Methylnaphthalene	<567	ug/kg	1890	567	10	10/15/20 13:31	10/19/20 10:24	91-57-6	
Naphthalene	<764	ug/kg	2550	764	10	10/15/20 13:31	10/19/20 10:24	91-20-3	
Pentachlorophenol	<481	ug/kg	1600	481	10	10/15/20 13:31	10/19/20 10:24	87-86-5	
Phenanthrene	<280	ug/kg	934	280	10	10/15/20 13:31	10/19/20 10:24	85-01-8	
Pyrene	<484	ug/kg	1610	484	10	10/15/20 13:31	10/19/20 10:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	39	%	17-110		10	10/15/20 13:31	10/19/20 10:24	4165-60-0	
2-Fluorobiphenyl (S)	61	%	45-103		10	10/15/20 13:31	10/19/20 10:24	321-60-8	
Terphenyl-d14 (S)	57	%	46-100		10	10/15/20 13:31	10/19/20 10:24	1718-51-0	
2,4,6-Tribromophenol (S)	44	%	10-153		10	10/15/20 13:31	10/19/20 10:24	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-15 (0'-4') Lab ID: 40216442015 Collected: 10/12/20 16:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 22:11	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 22:11	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 22:11	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 22:11	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:11	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 22:11	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 22:11	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 22:11	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 22:11	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 22:11	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 22:11	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 22:11	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 22:11	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 22:11	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 22:11	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 22:11	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 22:11	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:11	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 22:11	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 22:11	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-15 (0'-4') Lab ID: 40216442015 Collected: 10/12/20 16:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 22:11	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 22:11	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 22:11	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 22:11	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 22:11	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 22:11	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:11	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	58-145		1	10/16/20 08:30	10/16/20 22:11	1868-53-7	
Toluene-d8 (S)	107	%	56-140		1	10/16/20 08:30	10/16/20 22:11	2037-26-5	
4-Bromofluorobenzene (S)	98	%	52-137		1	10/16/20 08:30	10/16/20 22:11	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	23.5	%	0.10	0.10	1		10/14/20 08:31		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-15 (8'-12') Lab ID: 40216442016 Collected: 10/12/20 16:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.79	mg/kg	2.0	0.79	1	10/16/20 07:47	10/16/20 20:03	7440-36-0	
Arsenic	<1.5	mg/kg	2.5	1.5	1	10/16/20 07:47	10/16/20 20:03	7440-38-2	
Beryllium	0.29J	mg/kg	0.40	0.12	1	10/16/20 07:47	10/16/20 20:03	7440-41-7	
Cadmium	<0.13	mg/kg	0.50	0.13	1	10/16/20 07:47	10/16/20 20:03	7440-43-9	
Chromium	11.7	mg/kg	0.99	0.28	1	10/16/20 07:47	10/16/20 20:03	7440-47-3	
Copper	13.4	mg/kg	0.99	0.27	1	10/16/20 07:47	10/16/20 20:03	7440-50-8	
Lead	4.8	mg/kg	2.0	0.59	1	10/16/20 07:47	10/16/20 20:03	7439-92-1	
Nickel	11.1	mg/kg	0.99	0.26	1	10/16/20 07:47	10/16/20 20:03	7440-02-0	
Selenium	<1.3	mg/kg	4.0	1.3	1	10/16/20 07:47	10/16/20 20:03	7782-49-2	
Silver	<0.30	mg/kg	0.99	0.30	1	10/16/20 07:47	10/16/20 20:03	7440-22-4	
Thallium	<0.77	mg/kg	4.0	0.77	1	10/16/20 07:47	10/16/20 20:03	7440-28-0	
Zinc	34.3	mg/kg	4.0	1.2	1	10/16/20 07:47	10/16/20 20:03	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.035	0.010	1	10/15/20 09:55	10/15/20 13:51	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<62.0	ug/kg	207	62.0	1	10/15/20 13:31	10/19/20 10:45	83-32-9	
Acenaphthylene	<62.4	ug/kg	208	62.4	1	10/15/20 13:31	10/19/20 10:45	208-96-8	
Anthracene	<27.9	ug/kg	93.1	27.9	1	10/15/20 13:31	10/19/20 10:45	120-12-7	
Benzo(a)anthracene	<27.1	ug/kg	90.3	27.1	1	10/15/20 13:31	10/19/20 10:45	56-55-3	
Benzo(a)pyrene	<26.3	ug/kg	87.7	26.3	1	10/15/20 13:31	10/19/20 10:45	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	100	30.0	1	10/15/20 13:31	10/19/20 10:45	205-99-2	
Benzo(g,h,i)perylene	<45.7	ug/kg	152	45.7	1	10/15/20 13:31	10/19/20 10:45	191-24-2	
Benzo(k)fluoranthene	<41.9	ug/kg	140	41.9	1	10/15/20 13:31	10/19/20 10:45	207-08-9	
Chrysene	<26.1	ug/kg	87.1	26.1	1	10/15/20 13:31	10/19/20 10:45	218-01-9	
Dibenz(a,h)anthracene	<47.5	ug/kg	158	47.5	1	10/15/20 13:31	10/19/20 10:45	53-70-3	
1,4-Dioxane (p-Dioxane)	<94.8	ug/kg	316	94.8	1	10/15/20 13:31	10/19/20 10:45	123-91-1	
Fluoranthene	<24.7	ug/kg	82.5	24.7	1	10/15/20 13:31	10/19/20 10:45	206-44-0	
Fluorene	<20.4	ug/kg	68.1	20.4	1	10/15/20 13:31	10/19/20 10:45	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.8	ug/kg	126	37.8	1	10/15/20 13:31	10/19/20 10:45	193-39-5	
1-Methylnaphthalene	<49.8	ug/kg	166	49.8	1	10/15/20 13:31	10/19/20 10:45	90-12-0	
2-Methylnaphthalene	<45.4	ug/kg	151	45.4	1	10/15/20 13:31	10/19/20 10:45	91-57-6	
Naphthalene	<61.1	ug/kg	204	61.1	1	10/15/20 13:31	10/19/20 10:45	91-20-3	
Pentachlorophenol	<38.5	ug/kg	128	38.5	1	10/15/20 13:31	10/19/20 10:45	87-86-5	
Phenanthrene	<22.4	ug/kg	74.8	22.4	1	10/15/20 13:31	10/19/20 10:45	85-01-8	
Pyrene	<38.8	ug/kg	129	38.8	1	10/15/20 13:31	10/19/20 10:45	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	77	%	17-110		1	10/15/20 13:31	10/19/20 10:45	4165-60-0	
2-Fluorobiphenyl (S)	91	%	45-103		1	10/15/20 13:31	10/19/20 10:45	321-60-8	
Terphenyl-d14 (S)	102	%	46-100		1	10/15/20 13:31	10/19/20 10:45	1718-51-0	S3
2,4,6-Tribromophenol (S)	86	%	10-153		1	10/15/20 13:31	10/19/20 10:45	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-15 (8'-12') Lab ID: 40216442016 Collected: 10/12/20 16:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 22:33	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 22:33	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 22:33	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 22:33	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:33	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 22:33	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 22:33	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 22:33	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 22:33	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 22:33	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 22:33	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 22:33	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 22:33	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 22:33	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 22:33	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 22:33	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 22:33	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:33	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 22:33	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	1634-04-4	W
Naphthalene	29.2J	ug/kg	95.3	28.6	1	10/16/20 08:30	10/16/20 22:33	91-20-3	
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-15 (8'-12') Lab ID: 40216442016 Collected: 10/12/20 16:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 22:33	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 22:33	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 22:33	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 22:33	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 22:33	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 22:33	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:33	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	58-145		1	10/16/20 08:30	10/16/20 22:33	1868-53-7	
Toluene-d8 (S)	117	%	56-140		1	10/16/20 08:30	10/16/20 22:33	2037-26-5	
4-Bromofluorobenzene (S)	109	%	52-137		1	10/16/20 08:30	10/16/20 22:33	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	4.5	%	0.10	0.10	1		10/14/20 08:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-16 (0'-4') Lab ID: 40216442017 Collected: 10/12/20 12:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.88	mg/kg	2.2	0.88	1	10/16/20 07:47	10/16/20 20:06	7440-36-0	
Arsenic	<1.6	mg/kg	2.8	1.6	1	10/16/20 07:47	10/16/20 20:06	7440-38-2	
Beryllium	0.53	mg/kg	0.44	0.13	1	10/16/20 07:47	10/16/20 20:06	7440-41-7	
Cadmium	<0.15	mg/kg	0.55	0.15	1	10/16/20 07:47	10/16/20 20:06	7440-43-9	
Chromium	7.7	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 20:06	7440-47-3	
Copper	7.1	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 20:06	7440-50-8	
Lead	13.1	mg/kg	2.2	0.66	1	10/16/20 07:47	10/16/20 20:06	7439-92-1	
Nickel	6.8	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 20:06	7440-02-0	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/16/20 07:47	10/16/20 20:06	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/16/20 07:47	10/16/20 20:06	7440-22-4	
Thallium	1.2J	mg/kg	4.4	0.86	1	10/16/20 07:47	10/16/20 20:06	7440-28-0	
Zinc	39.0	mg/kg	4.4	1.3	1	10/16/20 07:47	10/16/20 20:06	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	10/15/20 09:55	10/15/20 13:53	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<328	ug/kg	1090	328	5	10/15/20 13:31	10/19/20 13:12	83-32-9	
Acenaphthylene	<330	ug/kg	1100	330	5	10/15/20 13:31	10/19/20 13:12	208-96-8	
Anthracene	<148	ug/kg	492	148	5	10/15/20 13:31	10/19/20 13:12	120-12-7	
Benzo(a)anthracene	<143	ug/kg	477	143	5	10/15/20 13:31	10/19/20 13:12	56-55-3	
Benzo(a)pyrene	<139	ug/kg	463	139	5	10/15/20 13:31	10/19/20 13:12	50-32-8	
Benzo(b)fluoranthene	<159	ug/kg	529	159	5	10/15/20 13:31	10/19/20 13:12	205-99-2	
Benzo(g,h,i)perylene	<242	ug/kg	806	242	5	10/15/20 13:31	10/19/20 13:12	191-24-2	
Benzo(k)fluoranthene	<221	ug/kg	738	221	5	10/15/20 13:31	10/19/20 13:12	207-08-9	
Chrysene	<138	ug/kg	461	138	5	10/15/20 13:31	10/19/20 13:12	218-01-9	
Dibenz(a,h)anthracene	<251	ug/kg	837	251	5	10/15/20 13:31	10/19/20 13:12	53-70-3	
Fluoranthene	<131	ug/kg	436	131	5	10/15/20 13:31	10/19/20 13:12	206-44-0	
Fluorene	<108	ug/kg	360	108	5	10/15/20 13:31	10/19/20 13:12	86-73-7	
Indeno(1,2,3-cd)pyrene	<200	ug/kg	666	200	5	10/15/20 13:31	10/19/20 13:12	193-39-5	
1-Methylnaphthalene	<263	ug/kg	877	263	5	10/15/20 13:31	10/19/20 13:12	90-12-0	D3
2-Methylnaphthalene	<240	ug/kg	800	240	5	10/15/20 13:31	10/19/20 13:12	91-57-6	
Naphthalene	<323	ug/kg	1080	323	5	10/15/20 13:31	10/19/20 13:12	91-20-3	
Pentachlorophenol	<204	ug/kg	678	204	5	10/15/20 13:31	10/19/20 13:12	87-86-5	
Phenanthrene	<119	ug/kg	395	119	5	10/15/20 13:31	10/19/20 13:12	85-01-8	
Pyrene	<205	ug/kg	683	205	5	10/15/20 13:31	10/19/20 13:12	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	17-110		5	10/15/20 13:31	10/19/20 13:12	4165-60-0	
2-Fluorobiphenyl (S)	63	%	45-103		5	10/15/20 13:31	10/19/20 13:12	321-60-8	
Terphenyl-d14 (S)	74	%	46-100		5	10/15/20 13:31	10/19/20 13:12	1718-51-0	
2,4,6-Tribromophenol (S)	73	%	10-153		5	10/15/20 13:31	10/19/20 13:12	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-16 (0'-4') Lab ID: 40216442017 Collected: 10/12/20 12:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 22:56	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:30	10/16/20 22:56	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:30	10/16/20 22:56	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:30	10/16/20 22:56	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:56	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:30	10/16/20 22:56	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:30	10/16/20 22:56	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:30	10/16/20 22:56	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:30	10/16/20 22:56	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 22:56	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:30	10/16/20 22:56	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:30	10/16/20 22:56	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:30	10/16/20 22:56	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:30	10/16/20 22:56	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:30	10/16/20 22:56	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:30	10/16/20 22:56	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:30	10/16/20 22:56	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:30	10/16/20 22:56	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:30	10/16/20 22:56	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:30	10/16/20 22:56	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-16 (0'-4') Lab ID: 40216442017 Collected: 10/12/20 12:10 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:30	10/16/20 22:56	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:30	10/16/20 22:56	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:30	10/16/20 22:56	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:30	10/16/20 22:56	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:30	10/16/20 22:56	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:30	10/16/20 22:56	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:30	10/16/20 22:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	102	%	58-145		1	10/16/20 08:30	10/16/20 22:56	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	10/16/20 08:30	10/16/20 22:56	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	10/16/20 08:30	10/16/20 22:56	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	9.7	%	0.10	0.10	1		10/14/20 08:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-16 (8'-12') Lab ID: 40216442018 Collected: 10/12/20 12:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.82	mg/kg	2.1	0.82	1	10/16/20 07:47	10/16/20 20:08	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 20:08	7440-38-2	
Beryllium	0.31J	mg/kg	0.41	0.12	1	10/16/20 07:47	10/16/20 20:08	7440-41-7	
Cadmium	<0.14	mg/kg	0.51	0.14	1	10/16/20 07:47	10/16/20 20:08	7440-43-9	
Chromium	8.0	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 20:08	7440-47-3	
Copper	13.1	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 20:08	7440-50-8	
Lead	6.3	mg/kg	2.1	0.61	1	10/16/20 07:47	10/16/20 20:08	7439-92-1	
Nickel	7.9	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 20:08	7440-02-0	
Selenium	<1.3	mg/kg	4.1	1.3	1	10/16/20 07:47	10/16/20 20:08	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 20:08	7440-22-4	
Thallium	<0.79	mg/kg	4.1	0.79	1	10/16/20 07:47	10/16/20 20:08	7440-28-0	
Zinc	24.4	mg/kg	4.1	1.2	1	10/16/20 07:47	10/16/20 20:08	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.036	0.010	1	10/15/20 09:55	10/15/20 13:56	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<63.2	ug/kg	211	63.2	1	10/15/20 13:31	10/16/20 16:28	83-32-9	
Acenaphthylene	<63.5	ug/kg	212	63.5	1	10/15/20 13:31	10/16/20 16:28	208-96-8	
Anthracene	<28.5	ug/kg	94.9	28.5	1	10/15/20 13:31	10/16/20 16:28	120-12-7	
Benzo(a)anthracene	<27.6	ug/kg	92.0	27.6	1	10/15/20 13:31	10/16/20 16:28	56-55-3	
Benzo(a)pyrene	<26.8	ug/kg	89.3	26.8	1	10/15/20 13:31	10/16/20 16:28	50-32-8	
Benzo(b)fluoranthene	<30.6	ug/kg	102	30.6	1	10/15/20 13:31	10/16/20 16:28	205-99-2	
Benzo(g,h,i)perylene	<46.6	ug/kg	155	46.6	1	10/15/20 13:31	10/16/20 16:28	191-24-2	
Benzo(k)fluoranthene	<42.6	ug/kg	142	42.6	1	10/15/20 13:31	10/16/20 16:28	207-08-9	
Chrysene	<26.6	ug/kg	88.8	26.6	1	10/15/20 13:31	10/16/20 16:28	218-01-9	
Dibenz(a,h)anthracene	<48.4	ug/kg	161	48.4	1	10/15/20 13:31	10/16/20 16:28	53-70-3	
Fluoranthene	<25.2	ug/kg	84.0	25.2	1	10/15/20 13:31	10/16/20 16:28	206-44-0	
Fluorene	<20.8	ug/kg	69.4	20.8	1	10/15/20 13:31	10/16/20 16:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<38.5	ug/kg	128	38.5	1	10/15/20 13:31	10/16/20 16:28	193-39-5	
1-Methylnaphthalene	<50.7	ug/kg	169	50.7	1	10/15/20 13:31	10/16/20 16:28	90-12-0	
2-Methylnaphthalene	<46.3	ug/kg	154	46.3	1	10/15/20 13:31	10/16/20 16:28	91-57-6	
Naphthalene	<62.3	ug/kg	208	62.3	1	10/15/20 13:31	10/16/20 16:28	91-20-3	
Pentachlorophenol	<39.2	ug/kg	131	39.2	1	10/15/20 13:31	10/16/20 16:28	87-86-5	
Phenanthrene	<22.9	ug/kg	76.2	22.9	1	10/15/20 13:31	10/16/20 16:28	85-01-8	
Pyrene	<39.5	ug/kg	132	39.5	1	10/15/20 13:31	10/16/20 16:28	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	17-110		1	10/15/20 13:31	10/16/20 16:28	4165-60-0	
2-Fluorobiphenyl (S)	58	%	45-103		1	10/15/20 13:31	10/16/20 16:28	321-60-8	
Terphenyl-d14 (S)	77	%	46-100		1	10/15/20 13:31	10/16/20 16:28	1718-51-0	
2,4,6-Tribromophenol (S)	66	%	10-153		1	10/15/20 13:31	10/16/20 16:28	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-16 (8'-12') Lab ID: 40216442018 Collected: 10/12/20 12:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 20:54	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 20:54	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 20:54	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 20:54	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:54	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 20:54	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 20:54	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 20:54	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 20:54	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 20:54	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 20:54	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 20:54	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 20:54	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 20:54	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 20:54	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 20:54	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 20:54	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:54	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 20:54	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 20:54	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-16 (8'-12') Lab ID: 40216442018 Collected: 10/12/20 12:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 20:54	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 20:54	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 20:54	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 20:54	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 20:54	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 20:54	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:54	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	58-145		1	10/16/20 08:15	10/16/20 20:54	1868-53-7	
Toluene-d8 (S)	101	%	56-140		1	10/16/20 08:15	10/16/20 20:54	2037-26-5	
4-Bromofluorobenzene (S)	94	%	52-137		1	10/16/20 08:15	10/16/20 20:54	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	6.3	%	0.10	0.10	1		10/14/20 08:31		
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-17 (0'-4') Lab ID: 40216442019 Collected: 10/12/20 12:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	1.2J	mg/kg	2.0	0.81	1	10/16/20 07:47	10/16/20 20:15	7440-36-0	
Arsenic	<1.5	mg/kg	2.5	1.5	1	10/16/20 07:47	10/16/20 20:15	7440-38-2	
Beryllium	0.13J	mg/kg	0.40	0.12	1	10/16/20 07:47	10/16/20 20:15	7440-41-7	
Cadmium	0.21J	mg/kg	0.51	0.13	1	10/16/20 07:47	10/16/20 20:15	7440-43-9	
Chromium	8.1	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 20:15	7440-47-3	
Copper	16.8	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 20:15	7440-50-8	
Lead	34.5	mg/kg	2.0	0.61	1	10/16/20 07:47	10/19/20 13:43	7439-92-1	
Nickel	8.5	mg/kg	1.0	0.27	1	10/16/20 07:47	10/19/20 13:43	7440-02-0	
Selenium	<1.3	mg/kg	4.0	1.3	1	10/16/20 07:47	10/16/20 20:15	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 20:15	7440-22-4	
Thallium	<0.78	mg/kg	4.0	0.78	1	10/16/20 07:47	10/16/20 20:15	7440-28-0	
Zinc	44.7	mg/kg	4.0	1.2	1	10/16/20 07:47	10/16/20 20:15	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.028J	mg/kg	0.034	0.0099	1	10/15/20 09:55	10/15/20 13:58	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<62.1	ug/kg	207	62.1	1	10/15/20 13:31	10/16/20 16:49	83-32-9	
Acenaphthylene	<62.5	ug/kg	208	62.5	1	10/15/20 13:31	10/16/20 16:49	208-96-8	
Anthracene	<28.0	ug/kg	93.3	28.0	1	10/15/20 13:31	10/16/20 16:49	120-12-7	
Benzo(a)anthracene	<27.1	ug/kg	90.4	27.1	1	10/15/20 13:31	10/16/20 16:49	56-55-3	
Benzo(a)pyrene	<26.4	ug/kg	87.9	26.4	1	10/15/20 13:31	10/16/20 16:49	50-32-8	
Benzo(b)fluoranthene	<30.1	ug/kg	100	30.1	1	10/15/20 13:31	10/16/20 16:49	205-99-2	
Benzo(g,h,i)perylene	<45.8	ug/kg	153	45.8	1	10/15/20 13:31	10/16/20 16:49	191-24-2	
Benzo(k)fluoranthene	<41.9	ug/kg	140	41.9	1	10/15/20 13:31	10/16/20 16:49	207-08-9	
Chrysene	<26.2	ug/kg	87.3	26.2	1	10/15/20 13:31	10/16/20 16:49	218-01-9	
Dibenz(a,h)anthracene	<47.6	ug/kg	159	47.6	1	10/15/20 13:31	10/16/20 16:49	53-70-3	
Fluoranthene	40.5J	ug/kg	82.6	24.8	1	10/15/20 13:31	10/16/20 16:49	206-44-0	
Fluorene	<20.5	ug/kg	68.3	20.5	1	10/15/20 13:31	10/16/20 16:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.9	ug/kg	126	37.9	1	10/15/20 13:31	10/16/20 16:49	193-39-5	
1-Methylnaphthalene	<49.9	ug/kg	166	49.9	1	10/15/20 13:31	10/16/20 16:49	90-12-0	
2-Methylnaphthalene	<45.5	ug/kg	152	45.5	1	10/15/20 13:31	10/16/20 16:49	91-57-6	
Naphthalene	<61.3	ug/kg	204	61.3	1	10/15/20 13:31	10/16/20 16:49	91-20-3	
Pentachlorophenol	<38.6	ug/kg	129	38.6	1	10/15/20 13:31	10/16/20 16:49	87-86-5	
Phenanthrene	32.5J	ug/kg	74.9	22.5	1	10/15/20 13:31	10/16/20 16:49	85-01-8	
Pyrene	<38.8	ug/kg	129	38.8	1	10/15/20 13:31	10/16/20 16:49	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	59	%	17-110		1	10/15/20 13:31	10/16/20 16:49	4165-60-0	
2-Fluorobiphenyl (S)	74	%	45-103		1	10/15/20 13:31	10/16/20 16:49	321-60-8	
Terphenyl-d14 (S)	75	%	46-100		1	10/15/20 13:31	10/16/20 16:49	1718-51-0	
2,4,6-Tribromophenol (S)	61	%	10-153		1	10/15/20 13:31	10/16/20 16:49	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-17 (0'-4') Lab ID: 40216442019 Collected: 10/12/20 12:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 21:21	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 21:21	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 21:21	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 21:21	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:21	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 21:21	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 21:21	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 21:21	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 21:21	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 21:21	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 21:21	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 21:21	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 21:21	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 21:21	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 21:21	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 21:21	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 21:21	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:21	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 21:21	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 21:21	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-17 (0'-4') Lab ID: 40216442019 Collected: 10/12/20 12:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 21:21	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 21:21	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 21:21	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 21:21	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 21:21	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 21:21	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:21	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	58-145		1	10/16/20 08:15	10/16/20 21:21	1868-53-7	
Toluene-d8 (S)	106	%	56-140		1	10/16/20 08:15	10/16/20 21:21	2037-26-5	
4-Bromofluorobenzene (S)	100	%	52-137		1	10/16/20 08:15	10/16/20 21:21	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	4.6	%	0.10	0.10	1		10/14/20 08:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-17 (8'-12') Lab ID: 40216442020 Collected: 10/12/20 12:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	3.7	mg/kg	3.4	1.4	1	10/16/20 07:47	10/16/20 20:18	7440-36-0	
Arsenic	<2.5	mg/kg	4.3	2.5	1	10/16/20 07:47	10/16/20 20:18	7440-38-2	
Beryllium	<0.20	mg/kg	0.68	0.20	1	10/16/20 07:47	10/16/20 20:18	7440-41-7	
Cadmium	0.25J	mg/kg	0.85	0.23	1	10/16/20 07:47	10/16/20 20:18	7440-43-9	
Chromium	3.2J	mg/kg	3.4	0.95	2	10/16/20 07:47	10/19/20 13:46	7440-47-3	D3
Copper	54.6	mg/kg	1.7	0.47	1	10/16/20 07:47	10/16/20 20:18	7440-50-8	
Lead	65.1	mg/kg	6.8	2.0	2	10/16/20 07:47	10/19/20 13:46	7439-92-1	
Nickel	7.5	mg/kg	1.7	0.45	1	10/16/20 07:47	10/19/20 13:48	7440-02-0	
Selenium	<2.2	mg/kg	6.8	2.2	1	10/16/20 07:47	10/16/20 20:18	7782-49-2	
Silver	<0.52	mg/kg	1.7	0.52	1	10/16/20 07:47	10/16/20 20:18	7440-22-4	
Thallium	<2.6	mg/kg	13.6	2.6	2	10/16/20 07:47	10/19/20 13:46	7440-28-0	D3
Zinc	84.9	mg/kg	6.8	2.0	1	10/16/20 07:47	10/16/20 20:18	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.016	mg/kg	0.054	0.016	1	10/15/20 09:55	10/15/20 14:00	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<407	ug/kg	1360	407	4	10/15/20 13:31	10/19/20 11:28	83-32-9	
Acenaphthylene	<409	ug/kg	1360	409	4	10/15/20 13:31	10/19/20 11:28	208-96-8	
Anthracene	<183	ug/kg	611	183	4	10/15/20 13:31	10/19/20 11:28	120-12-7	
Benzo(a)anthracene	<178	ug/kg	593	178	4	10/15/20 13:31	10/19/20 11:28	56-55-3	
Benzo(a)pyrene	<173	ug/kg	576	173	4	10/15/20 13:31	10/19/20 11:28	50-32-8	
Benzo(b)fluoranthene	<197	ug/kg	657	197	4	10/15/20 13:31	10/19/20 11:28	205-99-2	
Benzo(g,h,i)perylene	<300	ug/kg	1000	300	4	10/15/20 13:31	10/19/20 11:28	191-24-2	
Benzo(k)fluoranthene	<275	ug/kg	916	275	4	10/15/20 13:31	10/19/20 11:28	207-08-9	
Chrysene	<172	ug/kg	572	172	4	10/15/20 13:31	10/19/20 11:28	218-01-9	
Dibenz(a,h)anthracene	<312	ug/kg	1040	312	4	10/15/20 13:31	10/19/20 11:28	53-70-3	
Fluoranthene	<162	ug/kg	541	162	4	10/15/20 13:31	10/19/20 11:28	206-44-0	
Fluorene	<134	ug/kg	447	134	4	10/15/20 13:31	10/19/20 11:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<248	ug/kg	828	248	4	10/15/20 13:31	10/19/20 11:28	193-39-5	
1-Methylnaphthalene	<327	ug/kg	1090	327	4	10/15/20 13:31	10/19/20 11:28	90-12-0	D3
2-Methylnaphthalene	<298	ug/kg	993	298	4	10/15/20 13:31	10/19/20 11:28	91-57-6	
Naphthalene	<401	ug/kg	1340	401	4	10/15/20 13:31	10/19/20 11:28	91-20-3	
Pentachlorophenol	<253	ug/kg	843	253	4	10/15/20 13:31	10/19/20 11:28	87-86-5	
Phenanthrene	<147	ug/kg	491	147	4	10/15/20 13:31	10/19/20 11:28	85-01-8	
Pyrene	<254	ug/kg	848	254	4	10/15/20 13:31	10/19/20 11:28	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	41	%	17-110		4	10/15/20 13:31	10/19/20 11:28	4165-60-0	
2-Fluorobiphenyl (S)	46	%	45-103		4	10/15/20 13:31	10/19/20 11:28	321-60-8	
Terphenyl-d14 (S)	54	%	46-100		4	10/15/20 13:31	10/19/20 11:28	1718-51-0	
2,4,6-Tribromophenol (S)	42	%	10-153		4	10/15/20 13:31	10/19/20 11:28	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-17 (8'-12') Lab ID: 40216442020 Collected: 10/12/20 12:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 15:29	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 15:29	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 15:29	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 15:29	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:29	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 15:29	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 15:29	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 15:29	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 15:29	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 15:29	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 15:29	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 15:29	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 15:29	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 15:29	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 15:29	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 15:29	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 15:29	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:29	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 15:29	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 15:29	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-17 (8'-12') Lab ID: 40216442020 Collected: 10/12/20 12:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 15:29	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 15:29	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 15:29	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 15:29	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 15:29	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 15:29	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:29	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	58-145		1	10/16/20 08:15	10/16/20 15:29	1868-53-7	
Toluene-d8 (S)	102	%	56-140		1	10/16/20 08:15	10/16/20 15:29	2037-26-5	
4-Bromofluorobenzene (S)	96	%	52-137		1	10/16/20 08:15	10/16/20 15:29	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	41.9	%	0.10	0.10	1	10/14/20 08:31
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-18 (0.5'-4') Lab ID: 40216442021 Collected: 10/12/20 11:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.92	mg/kg	2.3	0.92	1	10/16/20 07:47	10/16/20 17:56	7440-36-0	
Arsenic	<1.7	mg/kg	2.9	1.7	1	10/16/20 07:47	10/16/20 17:56	7440-38-2	
Beryllium	0.37J	mg/kg	0.46	0.14	1	10/16/20 07:47	10/16/20 17:56	7440-41-7	
Cadmium	<0.15	mg/kg	0.58	0.15	1	10/16/20 07:47	10/16/20 17:56	7440-43-9	
Chromium	9.7	mg/kg	1.2	0.32	1	10/16/20 07:47	10/16/20 17:56	7440-47-3	
Copper	7.6	mg/kg	1.2	0.32	1	10/16/20 07:47	10/16/20 17:56	7440-50-8	
Lead	20.2	mg/kg	2.3	0.69	1	10/16/20 07:47	10/16/20 17:56	7439-92-1	
Nickel	4.7	mg/kg	1.2	0.30	1	10/16/20 07:47	10/16/20 17:56	7440-02-0	
Selenium	<1.5	mg/kg	4.6	1.5	1	10/16/20 07:47	10/16/20 17:56	7782-49-2	
Silver	<0.35	mg/kg	1.2	0.35	1	10/16/20 07:47	10/16/20 17:56	7440-22-4	
Thallium	1.1J	mg/kg	4.6	0.89	1	10/16/20 07:47	10/16/20 17:56	7440-28-0	
Zinc	49.1	mg/kg	4.6	1.4	1	10/16/20 07:47	10/16/20 17:56	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.018J	mg/kg	0.039	0.011	1	10/15/20 09:55	10/15/20 14:02	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<68.2	ug/kg	227	68.2	1	10/15/20 13:31	10/16/20 18:13	83-32-9	
Acenaphthylene	<68.7	ug/kg	229	68.7	1	10/15/20 13:31	10/16/20 18:13	208-96-8	
Anthracene	<30.8	ug/kg	103	30.8	1	10/15/20 13:31	10/16/20 18:13	120-12-7	
Benzo(a)anthracene	79.6J	ug/kg	99.4	29.8	1	10/15/20 13:31	10/16/20 18:13	56-55-3	
Benzo(a)pyrene	91.8J	ug/kg	96.5	29.0	1	10/15/20 13:31	10/16/20 18:13	50-32-8	
Benzo(b)fluoranthene	119	ug/kg	110	33.1	1	10/15/20 13:31	10/16/20 18:13	205-99-2	
Benzo(g,h,i)perylene	105J	ug/kg	168	50.4	1	10/15/20 13:31	10/16/20 18:13	191-24-2	
Benzo(k)fluoranthene	47.9J	ug/kg	154	46.1	1	10/15/20 13:31	10/16/20 18:13	207-08-9	
Chrysene	108	ug/kg	95.9	28.8	1	10/15/20 13:31	10/16/20 18:13	218-01-9	
Dibenz(a,h)anthracene	<52.3	ug/kg	174	52.3	1	10/15/20 13:31	10/16/20 18:13	53-70-3	
Fluoranthene	198	ug/kg	90.8	27.2	1	10/15/20 13:31	10/16/20 18:13	206-44-0	
Fluorene	<22.5	ug/kg	75.0	22.5	1	10/15/20 13:31	10/16/20 18:13	86-73-7	
Indeno(1,2,3-cd)pyrene	70.9J	ug/kg	139	41.6	1	10/15/20 13:31	10/16/20 18:13	193-39-5	
1-Methylnaphthalene	<54.8	ug/kg	183	54.8	1	10/15/20 13:31	10/16/20 18:13	90-12-0	
2-Methylnaphthalene	<50.0	ug/kg	167	50.0	1	10/15/20 13:31	10/16/20 18:13	91-57-6	
Naphthalene	<67.3	ug/kg	224	67.3	1	10/15/20 13:31	10/16/20 18:13	91-20-3	
Pentachlorophenol	<42.4	ug/kg	141	42.4	1	10/15/20 13:31	10/16/20 18:13	87-86-5	
Phenanthrene	111	ug/kg	82.3	24.7	1	10/15/20 13:31	10/16/20 18:13	85-01-8	
Pyrene	171	ug/kg	142	42.7	1	10/15/20 13:31	10/16/20 18:13	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	58	%	17-110		1	10/15/20 13:31	10/16/20 18:13	4165-60-0	
2-Fluorobiphenyl (S)	65	%	45-103		1	10/15/20 13:31	10/16/20 18:13	321-60-8	
Terphenyl-d14 (S)	78	%	46-100		1	10/15/20 13:31	10/16/20 18:13	1718-51-0	
2,4,6-Tribromophenol (S)	77	%	10-153		1	10/15/20 13:31	10/16/20 18:13	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-18 (0.5'-4') Lab ID: 40216442021 Collected: 10/12/20 11:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 15:56	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 15:56	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 15:56	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 15:56	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:56	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 15:56	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 15:56	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 15:56	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 15:56	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 15:56	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 15:56	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 15:56	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 15:56	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 15:56	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 15:56	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 15:56	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 15:56	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 15:56	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 15:56	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 15:56	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-18 (0.5'-4') Lab ID: 40216442021 Collected: 10/12/20 11:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 15:56	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 15:56	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 15:56	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 15:56	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 15:56	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 15:56	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 15:56	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	91	%	58-145		1	10/16/20 08:15	10/16/20 15:56	1868-53-7	
Toluene-d8 (S)	97	%	56-140		1	10/16/20 08:15	10/16/20 15:56	2037-26-5	
4-Bromofluorobenzene (S)	92	%	52-137		1	10/16/20 08:15	10/16/20 15:56	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	13.4	%	0.10	0.10	1	10/14/20 08:31
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-18 (10'-12') Lab ID: 40216442022 Collected: 10/12/20 12:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.82	mg/kg	2.0	0.82	1	10/16/20 07:47	10/16/20 18:05	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 18:05	7440-38-2	
Beryllium	0.15J	mg/kg	0.41	0.12	1	10/16/20 07:47	10/16/20 18:05	7440-41-7	
Cadmium	<0.14	mg/kg	0.51	0.14	1	10/16/20 07:47	10/16/20 18:05	7440-43-9	
Chromium	4.3	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:05	7440-47-3	
Copper	7.0	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:05	7440-50-8	
Lead	0.71J	mg/kg	2.0	0.61	1	10/16/20 07:47	10/16/20 18:05	7439-92-1	
Nickel	4.5	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 18:05	7440-02-0	
Selenium	<1.3	mg/kg	4.1	1.3	1	10/16/20 07:47	10/16/20 18:05	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 18:05	7440-22-4	
Thallium	0.90J	mg/kg	4.1	0.79	1	10/16/20 07:47	10/16/20 18:05	7440-28-0	
Zinc	7.3	mg/kg	4.1	1.2	1	10/16/20 07:47	10/16/20 18:05	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0099	mg/kg	0.035	0.0099	1	10/15/20 09:55	10/15/20 14:09	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<62.7	ug/kg	209	62.7	1	10/15/20 13:31	10/16/20 12:35	83-32-9	
Acenaphthylene	<63.0	ug/kg	210	63.0	1	10/15/20 13:31	10/16/20 12:35	208-96-8	
Anthracene	<28.2	ug/kg	94.1	28.2	1	10/15/20 13:31	10/16/20 12:35	120-12-7	
Benzo(a)anthracene	<27.4	ug/kg	91.2	27.4	1	10/15/20 13:31	10/16/20 12:35	56-55-3	
Benzo(a)pyrene	<26.6	ug/kg	88.6	26.6	1	10/15/20 13:31	10/16/20 12:35	50-32-8	
Benzo(b)fluoranthene	<30.4	ug/kg	101	30.4	1	10/15/20 13:31	10/16/20 12:35	205-99-2	
Benzo(g,h,i)perylene	<46.2	ug/kg	154	46.2	1	10/15/20 13:31	10/16/20 12:35	191-24-2	
Benzo(k)fluoranthene	<42.3	ug/kg	141	42.3	1	10/15/20 13:31	10/16/20 12:35	207-08-9	
Chrysene	<26.4	ug/kg	88.1	26.4	1	10/15/20 13:31	10/16/20 12:35	218-01-9	
Dibenz(a,h)anthracene	<48.0	ug/kg	160	48.0	1	10/15/20 13:31	10/16/20 12:35	53-70-3	
Fluoranthene	<25.0	ug/kg	83.3	25.0	1	10/15/20 13:31	10/16/20 12:35	206-44-0	
Fluorene	<20.7	ug/kg	68.8	20.7	1	10/15/20 13:31	10/16/20 12:35	86-73-7	
Indeno(1,2,3-cd)pyrene	<38.2	ug/kg	127	38.2	1	10/15/20 13:31	10/16/20 12:35	193-39-5	
1-Methylnaphthalene	<50.3	ug/kg	168	50.3	1	10/15/20 13:31	10/16/20 12:35	90-12-0	
2-Methylnaphthalene	<45.9	ug/kg	153	45.9	1	10/15/20 13:31	10/16/20 12:35	91-57-6	
Naphthalene	<61.8	ug/kg	206	61.8	1	10/15/20 13:31	10/16/20 12:35	91-20-3	
Pentachlorophenol	<38.9	ug/kg	130	38.9	1	10/15/20 13:31	10/16/20 12:35	87-86-5	
Phenanthrene	<22.7	ug/kg	75.6	22.7	1	10/15/20 13:31	10/16/20 12:35	85-01-8	
Pyrene	<39.2	ug/kg	131	39.2	1	10/15/20 13:31	10/16/20 12:35	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	51	%	17-110		1	10/15/20 13:31	10/16/20 12:35	4165-60-0	
2-Fluorobiphenyl (S)	69	%	45-103		1	10/15/20 13:31	10/16/20 12:35	321-60-8	
Terphenyl-d14 (S)	76	%	46-100		1	10/15/20 13:31	10/16/20 12:35	1718-51-0	
2,4,6-Tribromophenol (S)	64	%	10-153		1	10/15/20 13:31	10/16/20 12:35	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-18 (10'-12') Lab ID: 40216442022 Collected: 10/12/20 12:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 16:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 16:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 16:23	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 16:23	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 16:23	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 16:23	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 16:23	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 16:23	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 16:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 16:23	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 16:23	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 16:23	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 16:23	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 16:23	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 16:23	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 16:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:23	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 16:23	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 16:23	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-18 (10'-12') Lab ID: 40216442022 Collected: 10/12/20 12:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 16:23	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 16:23	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 16:23	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 16:23	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 16:23	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 16:23	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	58-145		1	10/16/20 08:15	10/16/20 16:23	1868-53-7	
Toluene-d8 (S)	97	%	56-140		1	10/16/20 08:15	10/16/20 16:23	2037-26-5	
4-Bromofluorobenzene (S)	89	%	52-137		1	10/16/20 08:15	10/16/20 16:23	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	5.4	%	0.10	0.10	1		10/14/20 08:31		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-19 (0.5'-4') Lab ID: 40216442023 Collected: 10/12/20 16:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.80	mg/kg	2.0	0.80	1	10/16/20 07:47	10/16/20 18:10	7440-36-0	
Arsenic	<1.5	mg/kg	2.5	1.5	1	10/16/20 07:47	10/16/20 18:10	7440-38-2	
Beryllium	0.27J	mg/kg	0.40	0.12	1	10/16/20 07:47	10/16/20 18:10	7440-41-7	
Cadmium	<0.13	mg/kg	0.50	0.13	1	10/16/20 07:47	10/16/20 18:10	7440-43-9	
Chromium	9.2	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:10	7440-47-3	
Copper	10.3	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:10	7440-50-8	
Lead	4.5	mg/kg	2.0	0.60	1	10/16/20 07:47	10/16/20 18:10	7439-92-1	
Nickel	8.3	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 18:10	7440-02-0	
Selenium	<1.3	mg/kg	4.0	1.3	1	10/16/20 07:47	10/16/20 18:10	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 18:10	7440-22-4	
Thallium	<0.78	mg/kg	4.0	0.78	1	10/16/20 07:47	10/16/20 18:10	7440-28-0	
Zinc	25.0	mg/kg	4.0	1.2	1	10/16/20 07:47	10/16/20 18:10	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0097	mg/kg	0.034	0.0097	1	10/15/20 09:55	10/15/20 14:12	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<62.2	ug/kg	207	62.2	1	10/15/20 13:31	10/19/20 11:07	83-32-9	
Acenaphthylene	<62.6	ug/kg	209	62.6	1	10/15/20 13:31	10/19/20 11:07	208-96-8	
Anthracene	<28.0	ug/kg	93.4	28.0	1	10/15/20 13:31	10/19/20 11:07	120-12-7	
Benzo(a)anthracene	<27.2	ug/kg	90.5	27.2	1	10/15/20 13:31	10/19/20 11:07	56-55-3	
Benzo(a)pyrene	<26.4	ug/kg	88.0	26.4	1	10/15/20 13:31	10/19/20 11:07	50-32-8	
Benzo(b)fluoranthene	<30.1	ug/kg	100	30.1	1	10/15/20 13:31	10/19/20 11:07	205-99-2	
Benzo(g,h,i)perylene	50.9J	ug/kg	153	45.9	1	10/15/20 13:31	10/19/20 11:07	191-24-2	
Benzo(k)fluoranthene	<42.0	ug/kg	140	42.0	1	10/15/20 13:31	10/19/20 11:07	207-08-9	
Chrysene	<26.2	ug/kg	87.4	26.2	1	10/15/20 13:31	10/19/20 11:07	218-01-9	
Dibenz(a,h)anthracene	<47.6	ug/kg	159	47.6	1	10/15/20 13:31	10/19/20 11:07	53-70-3	
1,4-Dioxane (p-Dioxane)	<95.1	ug/kg	317	95.1	1	10/15/20 13:31	10/19/20 11:07	123-91-1	
Fluoranthene	<24.8	ug/kg	82.7	24.8	1	10/15/20 13:31	10/19/20 11:07	206-44-0	
Fluorene	<20.5	ug/kg	68.3	20.5	1	10/15/20 13:31	10/19/20 11:07	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.9	ug/kg	126	37.9	1	10/15/20 13:31	10/19/20 11:07	193-39-5	
1-Methylnaphthalene	<49.9	ug/kg	166	49.9	1	10/15/20 13:31	10/19/20 11:07	90-12-0	
2-Methylnaphthalene	<45.5	ug/kg	152	45.5	1	10/15/20 13:31	10/19/20 11:07	91-57-6	
Naphthalene	<61.3	ug/kg	204	61.3	1	10/15/20 13:31	10/19/20 11:07	91-20-3	
Pentachlorophenol	<38.6	ug/kg	129	38.6	1	10/15/20 13:31	10/19/20 11:07	87-86-5	
Phenanthrene	<22.5	ug/kg	75.0	22.5	1	10/15/20 13:31	10/19/20 11:07	85-01-8	
Pyrene	<38.9	ug/kg	130	38.9	1	10/15/20 13:31	10/19/20 11:07	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	17-110		1	10/15/20 13:31	10/19/20 11:07	4165-60-0	
2-Fluorobiphenyl (S)	72	%	45-103		1	10/15/20 13:31	10/19/20 11:07	321-60-8	
Terphenyl-d14 (S)	82	%	46-100		1	10/15/20 13:31	10/19/20 11:07	1718-51-0	
2,4,6-Tribromophenol (S)	72	%	10-153		1	10/15/20 13:31	10/19/20 11:07	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-19 (0.5'-4') Lab ID: 40216442023 Collected: 10/12/20 16:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 16:50	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 16:50	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 16:50	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 16:50	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:50	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 16:50	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 16:50	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 16:50	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 16:50	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 16:50	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 16:50	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 16:50	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 16:50	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 16:50	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 16:50	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 16:50	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 16:50	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 16:50	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 16:50	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 16:50	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-19 (0.5'-4') Lab ID: 40216442023 Collected: 10/12/20 16:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 16:50	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 16:50	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 16:50	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 16:50	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 16:50	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 16:50	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 16:50	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	58-145		1	10/16/20 08:15	10/16/20 16:50	1868-53-7	
Toluene-d8 (S)	103	%	56-140		1	10/16/20 08:15	10/16/20 16:50	2037-26-5	
4-Bromofluorobenzene (S)	97	%	52-137		1	10/16/20 08:15	10/16/20 16:50	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	4.8	%	0.10	0.10	1	10/14/20 08:31
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-19 (8'-12') Lab ID: 40216442024 Collected: 10/12/20 16:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.78	mg/kg	2.0	0.78	1	10/16/20 07:47	10/16/20 18:12	7440-36-0	
Arsenic	<1.4	mg/kg	2.4	1.4	1	10/16/20 07:47	10/16/20 18:12	7440-38-2	
Beryllium	0.17J	mg/kg	0.39	0.12	1	10/16/20 07:47	10/16/20 18:12	7440-41-7	
Cadmium	<0.13	mg/kg	0.49	0.13	1	10/16/20 07:47	10/16/20 18:12	7440-43-9	
Chromium	10.2	mg/kg	0.98	0.27	1	10/16/20 07:47	10/16/20 18:12	7440-47-3	
Copper	8.9	mg/kg	0.98	0.27	1	10/16/20 07:47	10/16/20 18:12	7440-50-8	
Lead	1.5J	mg/kg	2.0	0.59	1	10/16/20 07:47	10/16/20 18:12	7439-92-1	
Nickel	7.6	mg/kg	0.98	0.26	1	10/16/20 07:47	10/16/20 18:12	7440-02-0	
Selenium	<1.3	mg/kg	3.9	1.3	1	10/16/20 07:47	10/16/20 18:12	7782-49-2	
Silver	<0.30	mg/kg	0.98	0.30	1	10/16/20 07:47	10/16/20 18:12	7440-22-4	
Thallium	<0.76	mg/kg	3.9	0.76	1	10/16/20 07:47	10/16/20 18:12	7440-28-0	
Zinc	13.1	mg/kg	3.9	1.2	1	10/16/20 07:47	10/16/20 18:12	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0093	mg/kg	0.032	0.0093	1	10/15/20 09:55	10/15/20 14:14	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<60.6	ug/kg	202	60.6	1	10/15/20 13:31	10/16/20 17:10	83-32-9	
Acenaphthylene	<61.0	ug/kg	203	61.0	1	10/15/20 13:31	10/16/20 17:10	208-96-8	
Anthracene	<27.3	ug/kg	91.0	27.3	1	10/15/20 13:31	10/16/20 17:10	120-12-7	
Benzo(a)anthracene	<26.5	ug/kg	88.2	26.5	1	10/15/20 13:31	10/16/20 17:10	56-55-3	
Benzo(a)pyrene	<25.7	ug/kg	85.7	25.7	1	10/15/20 13:31	10/16/20 17:10	50-32-8	
Benzo(b)fluoranthene	<29.4	ug/kg	97.9	29.4	1	10/15/20 13:31	10/16/20 17:10	205-99-2	
Benzo(g,h,i)perylene	<44.7	ug/kg	149	44.7	1	10/15/20 13:31	10/16/20 17:10	191-24-2	
Benzo(k)fluoranthene	<40.9	ug/kg	136	40.9	1	10/15/20 13:31	10/16/20 17:10	207-08-9	
Chrysene	<25.6	ug/kg	85.2	25.6	1	10/15/20 13:31	10/16/20 17:10	218-01-9	
Dibenz(a,h)anthracene	<46.4	ug/kg	155	46.4	1	10/15/20 13:31	10/16/20 17:10	53-70-3	
1,4-Dioxane (p-Dioxane)	<92.7	ug/kg	309	92.7	1	10/15/20 13:31	10/16/20 17:10	123-91-1	
Fluoranthene	<24.2	ug/kg	80.6	24.2	1	10/15/20 13:31	10/16/20 17:10	206-44-0	
Fluorene	<20.0	ug/kg	66.6	20.0	1	10/15/20 13:31	10/16/20 17:10	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.0	ug/kg	123	37.0	1	10/15/20 13:31	10/16/20 17:10	193-39-5	
1-Methylnaphthalene	<48.7	ug/kg	162	48.7	1	10/15/20 13:31	10/16/20 17:10	90-12-0	
2-Methylnaphthalene	<44.4	ug/kg	148	44.4	1	10/15/20 13:31	10/16/20 17:10	91-57-6	
Naphthalene	<59.8	ug/kg	199	59.8	1	10/15/20 13:31	10/16/20 17:10	91-20-3	
Pentachlorophenol	<37.6	ug/kg	125	37.6	1	10/15/20 13:31	10/16/20 17:10	87-86-5	
Phenanthrene	<21.9	ug/kg	73.1	21.9	1	10/15/20 13:31	10/16/20 17:10	85-01-8	
Pyrene	<37.9	ug/kg	126	37.9	1	10/15/20 13:31	10/16/20 17:10	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	17-110		1	10/15/20 13:31	10/16/20 17:10	4165-60-0	
2-Fluorobiphenyl (S)	77	%	45-103		1	10/15/20 13:31	10/16/20 17:10	321-60-8	
Terphenyl-d14 (S)	89	%	46-100		1	10/15/20 13:31	10/16/20 17:10	1718-51-0	
2,4,6-Tribromophenol (S)	67	%	10-153		1	10/15/20 13:31	10/16/20 17:10	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-19 (8'-12') Lab ID: 40216442024 Collected: 10/12/20 16:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 17:17	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 17:17	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 17:17	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 17:17	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 17:17	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 17:17	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 17:17	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 17:17	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 17:17	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 17:17	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 17:17	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 17:17	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 17:17	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 17:17	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 17:17	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 17:17	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 17:17	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 17:17	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 17:17	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 17:17	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-19 (8'-12') Lab ID: 40216442024 Collected: 10/12/20 16:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 17:17	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 17:17	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 17:17	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 17:17	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 17:17	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 17:17	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 17:17	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	58-145		1	10/16/20 08:15	10/16/20 17:17	1868-53-7	
Toluene-d8 (S)	106	%	56-140		1	10/16/20 08:15	10/16/20 17:17	2037-26-5	
4-Bromofluorobenzene (S)	98	%	52-137		1	10/16/20 08:15	10/16/20 17:17	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	2.4	%	0.10	0.10	1		10/14/20 08:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-5 (0'-4') Lab ID: 40216442025 Collected: 10/13/20 09:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.88	mg/kg	2.2	0.88	1	10/16/20 07:47	10/16/20 18:19	7440-36-0	
Arsenic	<1.6	mg/kg	2.8	1.6	1	10/16/20 07:47	10/16/20 18:19	7440-38-2	
Beryllium	0.33J	mg/kg	0.44	0.13	1	10/16/20 07:47	10/16/20 18:19	7440-41-7	
Cadmium	0.34J	mg/kg	0.55	0.15	1	10/16/20 07:47	10/16/20 18:19	7440-43-9	
Chromium	8.3	mg/kg	1.1	0.31	1	10/16/20 07:47	10/16/20 18:19	7440-47-3	
Copper	41.1	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:19	7440-50-8	
Lead	28.3	mg/kg	2.2	0.66	1	10/16/20 07:47	10/16/20 18:19	7439-92-1	
Nickel	5.9	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 18:19	7440-02-0	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/16/20 07:47	10/16/20 18:19	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/16/20 07:47	10/16/20 18:19	7440-22-4	
Thallium	<0.85	mg/kg	4.4	0.85	1	10/16/20 07:47	10/16/20 18:19	7440-28-0	
Zinc	68.7	mg/kg	4.4	1.3	1	10/16/20 07:47	10/16/20 18:19	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.038J	mg/kg	0.039	0.011	1	10/15/20 09:55	10/15/20 14:16	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<263	ug/kg	877	263	4	10/16/20 12:40	10/19/20 15:59	83-32-9	
Acenaphthylene	<265	ug/kg	882	265	4	10/16/20 12:40	10/19/20 15:59	208-96-8	
Anthracene	387J	ug/kg	395	119	4	10/16/20 12:40	10/19/20 15:59	120-12-7	
Benzo(a)anthracene	1080	ug/kg	383	115	4	10/16/20 12:40	10/19/20 15:59	56-55-3	
Benzo(a)pyrene	907	ug/kg	372	112	4	10/16/20 12:40	10/19/20 15:59	50-32-8	B
Benzo(b)fluoranthene	1430	ug/kg	425	127	4	10/16/20 12:40	10/19/20 15:59	205-99-2	
Benzo(g,h,i)perylene	791	ug/kg	647	194	4	10/16/20 12:40	10/19/20 15:59	191-24-2	
Benzo(k)fluoranthene	554J	ug/kg	592	178	4	10/16/20 12:40	10/19/20 15:59	207-08-9	
Chrysene	1160	ug/kg	370	111	4	10/16/20 12:40	10/19/20 15:59	218-01-9	
Dibenz(a,h)anthracene	<201	ug/kg	671	201	4	10/16/20 12:40	10/19/20 15:59	53-70-3	
Fluoranthene	3530	ug/kg	350	105	4	10/16/20 12:40	10/19/20 15:59	206-44-0	
Fluorene	<86.7	ug/kg	289	86.7	4	10/16/20 12:40	10/19/20 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	862	ug/kg	535	160	4	10/16/20 12:40	10/19/20 15:59	193-39-5	
1-Methylnaphthalene	<211	ug/kg	704	211	4	10/16/20 12:40	10/19/20 15:59	90-12-0	D3
2-Methylnaphthalene	<193	ug/kg	642	193	4	10/16/20 12:40	10/19/20 15:59	91-57-6	
Naphthalene	<259	ug/kg	864	259	4	10/16/20 12:40	10/19/20 15:59	91-20-3	
Pentachlorophenol	<163	ug/kg	544	163	4	10/16/20 12:40	10/19/20 15:59	87-86-5	
Phenanthrene	1590	ug/kg	317	95.1	4	10/16/20 12:40	10/19/20 15:59	85-01-8	
Pyrene	2290	ug/kg	548	164	4	10/16/20 12:40	10/19/20 15:59	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	17-110		4	10/16/20 12:40	10/19/20 15:59	4165-60-0	
2-Fluorobiphenyl (S)	70	%	45-103		4	10/16/20 12:40	10/19/20 15:59	321-60-8	
Terphenyl-d14 (S)	71	%	46-100		4	10/16/20 12:40	10/19/20 15:59	1718-51-0	
2,4,6-Tribromophenol (S)	73	%	10-153		4	10/16/20 12:40	10/19/20 15:59	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-5 (0'-4') Lab ID: 40216442025 Collected: 10/13/20 09:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 21:48	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 21:48	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 21:48	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 21:48	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:48	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 21:48	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 21:48	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 21:48	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 21:48	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 21:48	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 21:48	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 21:48	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 21:48	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 21:48	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 21:48	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 21:48	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 21:48	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 21:48	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 21:48	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 21:48	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-5 (0'-4') Lab ID: 40216442025 Collected: 10/13/20 09:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 21:48	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 21:48	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 21:48	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 21:48	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 21:48	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 21:48	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 21:48	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	98	%	58-145		1	10/16/20 08:15	10/16/20 21:48	1868-53-7	
Toluene-d8 (S)	104	%	56-140		1	10/16/20 08:15	10/16/20 21:48	2037-26-5	
4-Bromofluorobenzene (S)	97	%	52-137		1	10/16/20 08:15	10/16/20 21:48	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	9.9	%	0.10	0.10	1	10/14/20 08:31
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-5 (8'-12') Lab ID: 40216442026 Collected: 10/13/20 09:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<1.2	mg/kg	3.1	1.2	1	10/16/20 07:47	10/16/20 18:22	7440-36-0	
Arsenic	<2.3	mg/kg	3.9	2.3	1	10/16/20 07:47	10/16/20 18:22	7440-38-2	
Beryllium	0.37J	mg/kg	0.62	0.19	1	10/16/20 07:47	10/16/20 18:22	7440-41-7	
Cadmium	0.40J	mg/kg	0.78	0.21	1	10/16/20 07:47	10/16/20 18:22	7440-43-9	
Chromium	16.3	mg/kg	1.6	0.43	1	10/16/20 07:47	10/16/20 18:22	7440-47-3	
Copper	26.6	mg/kg	1.6	0.43	1	10/16/20 07:47	10/16/20 18:22	7440-50-8	
Lead	212	mg/kg	3.1	0.94	1	10/16/20 07:47	10/16/20 18:22	7439-92-1	
Nickel	12.9	mg/kg	1.6	0.41	1	10/16/20 07:47	10/16/20 18:22	7440-02-0	
Selenium	<2.0	mg/kg	6.2	2.0	1	10/16/20 07:47	10/16/20 18:22	7782-49-2	
Silver	<0.48	mg/kg	1.6	0.48	1	10/16/20 07:47	10/16/20 18:22	7440-22-4	
Thallium	<1.2	mg/kg	6.2	1.2	1	10/16/20 07:47	10/16/20 18:22	7440-28-0	
Zinc	168	mg/kg	6.2	1.9	1	10/16/20 07:47	10/16/20 18:22	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.024J	mg/kg	0.057	0.016	1	10/15/20 09:55	10/15/20 14:19	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<100	ug/kg	333	100	1	10/16/20 12:40	10/19/20 13:33	83-32-9	
Acenaphthylene	<101	ug/kg	335	101	1	10/16/20 12:40	10/19/20 13:33	208-96-8	
Anthracene	<45.1	ug/kg	150	45.1	1	10/16/20 12:40	10/19/20 13:33	120-12-7	
Benzo(a)anthracene	<43.7	ug/kg	146	43.7	1	10/16/20 12:40	10/19/20 13:33	56-55-3	
Benzo(a)pyrene	<42.4	ug/kg	141	42.4	1	10/16/20 12:40	10/19/20 13:33	50-32-8	
Benzo(b)fluoranthene	<48.4	ug/kg	161	48.4	1	10/16/20 12:40	10/19/20 13:33	205-99-2	
Benzo(g,h,i)perylene	<73.8	ug/kg	246	73.8	1	10/16/20 12:40	10/19/20 13:33	191-24-2	
Benzo(k)fluoranthene	<67.5	ug/kg	225	67.5	1	10/16/20 12:40	10/19/20 13:33	207-08-9	
Chrysene	<42.2	ug/kg	141	42.2	1	10/16/20 12:40	10/19/20 13:33	218-01-9	
Dibenz(a,h)anthracene	<76.6	ug/kg	255	76.6	1	10/16/20 12:40	10/19/20 13:33	53-70-3	
Fluoranthene	<39.9	ug/kg	133	39.9	1	10/16/20 12:40	10/19/20 13:33	206-44-0	
Fluorene	<33.0	ug/kg	110	33.0	1	10/16/20 12:40	10/19/20 13:33	86-73-7	
Indeno(1,2,3-cd)pyrene	<61.0	ug/kg	203	61.0	1	10/16/20 12:40	10/19/20 13:33	193-39-5	
1-Methylnaphthalene	<80.3	ug/kg	268	80.3	1	10/16/20 12:40	10/19/20 13:33	90-12-0	
2-Methylnaphthalene	<73.2	ug/kg	244	73.2	1	10/16/20 12:40	10/19/20 13:33	91-57-6	
Naphthalene	<98.6	ug/kg	329	98.6	1	10/16/20 12:40	10/19/20 13:33	91-20-3	
Pentachlorophenol	<62.1	ug/kg	207	62.1	1	10/16/20 12:40	10/19/20 13:33	87-86-5	
Phenanthrene	<36.2	ug/kg	121	36.2	1	10/16/20 12:40	10/19/20 13:33	85-01-8	
Pyrene	<62.5	ug/kg	208	62.5	1	10/16/20 12:40	10/19/20 13:33	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	56	%	17-110		1	10/16/20 12:40	10/19/20 13:33	4165-60-0	
2-Fluorobiphenyl (S)	71	%	45-103		1	10/16/20 12:40	10/19/20 13:33	321-60-8	
Terphenyl-d14 (S)	78	%	46-100		1	10/16/20 12:40	10/19/20 13:33	1718-51-0	
2,4,6-Tribromophenol (S)	86	%	10-153		1	10/16/20 12:40	10/19/20 13:33	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-5 (8'-12') Lab ID: 40216442026 Collected: 10/13/20 09:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 22:15	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 22:15	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 22:15	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 22:15	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:15	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 22:15	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 22:15	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 22:15	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 22:15	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 22:15	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 22:15	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 22:15	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 22:15	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 22:15	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 22:15	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 22:15	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 22:15	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:15	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 22:15	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 22:15	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-5 (8'-12') Lab ID: 40216442026 Collected: 10/13/20 09:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 22:15	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 22:15	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 22:15	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 22:15	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 22:15	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 22:15	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:15	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	10/16/20 08:15	10/16/20 22:15	1868-53-7	
Toluene-d8 (S)	107	%	56-140		1	10/16/20 08:15	10/16/20 22:15	2037-26-5	
4-Bromofluorobenzene (S)	99	%	52-137		1	10/16/20 08:15	10/16/20 22:15	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	40.7	%	0.10	0.10	1	10/14/20 08:31
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-6 (0'-4') Lab ID: 40216442027 Collected: 10/13/20 08:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.85	mg/kg	2.1	0.85	1	10/16/20 07:47	10/16/20 18:24	7440-36-0	
Arsenic	1.9J	mg/kg	2.7	1.6	1	10/16/20 07:47	10/16/20 18:24	7440-38-2	
Beryllium	0.30J	mg/kg	0.43	0.13	1	10/16/20 07:47	10/16/20 18:24	7440-41-7	
Cadmium	0.54	mg/kg	0.53	0.14	1	10/16/20 07:47	10/16/20 18:24	7440-43-9	
Chromium	16.9	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:24	7440-47-3	
Copper	10.7	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:24	7440-50-8	
Lead	25.5	mg/kg	2.1	0.64	1	10/16/20 07:47	10/16/20 18:24	7439-92-1	
Nickel	5.0	mg/kg	1.1	0.28	1	10/16/20 07:47	10/16/20 18:24	7440-02-0	
Selenium	<1.4	mg/kg	4.3	1.4	1	10/16/20 07:47	10/16/20 18:24	7782-49-2	
Silver	0.36J	mg/kg	1.1	0.33	1	10/16/20 07:47	10/16/20 18:24	7440-22-4	
Thallium	1.0J	mg/kg	4.3	0.83	1	10/16/20 07:47	10/16/20 18:24	7440-28-0	
Zinc	61.2	mg/kg	4.3	1.3	1	10/16/20 07:47	10/16/20 18:24	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.26	mg/kg	0.036	0.010	1	10/15/20 09:55	10/15/20 14:21	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<1340	ug/kg	4470	1340	20	10/16/20 12:40	10/19/20 16:41	83-32-9	
Acenaphthylene	<1350	ug/kg	4500	1350	20	10/16/20 12:40	10/19/20 16:41	208-96-8	
Anthracene	<605	ug/kg	2020	605	20	10/16/20 12:40	10/19/20 16:41	120-12-7	
Benzo(a)anthracene	<586	ug/kg	1950	586	20	10/16/20 12:40	10/19/20 16:41	56-55-3	
Benzo(a)pyrene	<570	ug/kg	1900	570	20	10/16/20 12:40	10/19/20 16:41	50-32-8	
Benzo(b)fluoranthene	<650	ug/kg	2170	650	20	10/16/20 12:40	10/19/20 16:41	205-99-2	
Benzo(g,h,i)perylene	<990	ug/kg	3300	990	20	10/16/20 12:40	10/19/20 16:41	191-24-2	
Benzo(k)fluoranthene	<906	ug/kg	3020	906	20	10/16/20 12:40	10/19/20 16:41	207-08-9	
Chrysene	<566	ug/kg	1890	566	20	10/16/20 12:40	10/19/20 16:41	218-01-9	
Dibenz(a,h)anthracene	<1030	ug/kg	3430	1030	20	10/16/20 12:40	10/19/20 16:41	53-70-3	
Fluoranthene	<536	ug/kg	1790	536	20	10/16/20 12:40	10/19/20 16:41	206-44-0	
Fluorene	<442	ug/kg	1470	442	20	10/16/20 12:40	10/19/20 16:41	86-73-7	
Indeno(1,2,3-cd)pyrene	<819	ug/kg	2730	819	20	10/16/20 12:40	10/19/20 16:41	193-39-5	
1-Methylnaphthalene	<1080	ug/kg	3590	1080	20	10/16/20 12:40	10/19/20 16:41	90-12-0	D3
2-Methylnaphthalene	<983	ug/kg	3280	983	20	10/16/20 12:40	10/19/20 16:41	91-57-6	
Naphthalene	<1320	ug/kg	4410	1320	20	10/16/20 12:40	10/19/20 16:41	91-20-3	
Pentachlorophenol	<834	ug/kg	2780	834	20	10/16/20 12:40	10/19/20 16:41	87-86-5	
Phenanthrene	<486	ug/kg	1620	486	20	10/16/20 12:40	10/19/20 16:41	85-01-8	
Pyrene	<839	ug/kg	2800	839	20	10/16/20 12:40	10/19/20 16:41	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	17-110		20	10/16/20 12:40	10/19/20 16:41	4165-60-0	
2-Fluorobiphenyl (S)	66	%	45-103		20	10/16/20 12:40	10/19/20 16:41	321-60-8	
Terphenyl-d14 (S)	76	%	46-100		20	10/16/20 12:40	10/19/20 16:41	1718-51-0	
2,4,6-Tribromophenol (S)	69	%	10-153		20	10/16/20 12:40	10/19/20 16:41	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-6 (0'-4') Lab ID: 40216442027 Collected: 10/13/20 08:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 22:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 22:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 22:42	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 22:42	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 22:42	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 22:42	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 22:42	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 22:42	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 22:42	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 22:42	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 22:42	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 22:42	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 22:42	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 22:42	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 22:42	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 22:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 22:42	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 22:42	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 22:42	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-6 (0'-4') Lab ID: 40216442027 Collected: 10/13/20 08:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 22:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 22:42	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 22:42	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 22:42	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 22:42	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 22:42	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 22:42	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	89	%	58-145		1	10/16/20 08:15	10/16/20 22:42	1868-53-7	
Toluene-d8 (S)	94	%	56-140		1	10/16/20 08:15	10/16/20 22:42	2037-26-5	
4-Bromofluorobenzene (S)	88	%	52-137		1	10/16/20 08:15	10/16/20 22:42	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	11.8	%	0.10	0.10	1		10/14/20 08:31		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-6 (8'-12') Lab ID: 40216442028 Collected: 10/13/20 08:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<1.0	mg/kg	2.6	1.0	1	10/16/20 07:47	10/16/20 18:27	7440-36-0	
Arsenic	<1.9	mg/kg	3.3	1.9	1	10/16/20 07:47	10/16/20 18:27	7440-38-2	
Beryllium	0.43J	mg/kg	0.52	0.16	1	10/16/20 07:47	10/16/20 18:27	7440-41-7	
Cadmium	<0.17	mg/kg	0.65	0.17	1	10/16/20 07:47	10/16/20 18:27	7440-43-9	
Chromium	13.5	mg/kg	1.3	0.36	1	10/16/20 07:47	10/16/20 18:27	7440-47-3	
Copper	5.8	mg/kg	1.3	0.36	1	10/16/20 07:47	10/16/20 18:27	7440-50-8	
Lead	36.5	mg/kg	2.6	0.78	1	10/16/20 07:47	10/16/20 18:27	7439-92-1	
Nickel	3.4	mg/kg	1.3	0.35	1	10/16/20 07:47	10/16/20 18:27	7440-02-0	
Selenium	<1.7	mg/kg	5.2	1.7	1	10/16/20 07:47	10/16/20 18:27	7782-49-2	
Silver	<0.40	mg/kg	1.3	0.40	1	10/16/20 07:47	10/16/20 18:27	7440-22-4	
Thallium	1.6J	mg/kg	5.2	1.0	1	10/16/20 07:47	10/16/20 18:27	7440-28-0	
Zinc	60.4	mg/kg	5.2	1.6	1	10/16/20 07:47	10/16/20 18:27	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.013	mg/kg	0.046	0.013	1	10/15/20 09:55	10/15/20 14:23	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<1650	ug/kg	5500	1650	20	10/16/20 12:40	10/19/20 16:20	83-32-9	
Acenaphthylene	<1660	ug/kg	5540	1660	20	10/16/20 12:40	10/19/20 16:20	208-96-8	
Anthracene	<744	ug/kg	2480	744	20	10/16/20 12:40	10/19/20 16:20	120-12-7	
Benzo(a)anthracene	<721	ug/kg	2400	721	20	10/16/20 12:40	10/19/20 16:20	56-55-3	
Benzo(a)pyrene	<701	ug/kg	2340	701	20	10/16/20 12:40	10/19/20 16:20	50-32-8	
Benzo(b)fluoranthene	<800	ug/kg	2670	800	20	10/16/20 12:40	10/19/20 16:20	205-99-2	
Benzo(g,h,i)perylene	<1220	ug/kg	4060	1220	20	10/16/20 12:40	10/19/20 16:20	191-24-2	
Benzo(k)fluoranthene	<1110	ug/kg	3720	1110	20	10/16/20 12:40	10/19/20 16:20	207-08-9	
Chrysene	<696	ug/kg	2320	696	20	10/16/20 12:40	10/19/20 16:20	218-01-9	
Dibenz(a,h)anthracene	<1260	ug/kg	4220	1260	20	10/16/20 12:40	10/19/20 16:20	53-70-3	
Fluoranthene	<659	ug/kg	2200	659	20	10/16/20 12:40	10/19/20 16:20	206-44-0	
Fluorene	<544	ug/kg	1810	544	20	10/16/20 12:40	10/19/20 16:20	86-73-7	
Indeno(1,2,3-cd)pyrene	<1010	ug/kg	3360	1010	20	10/16/20 12:40	10/19/20 16:20	193-39-5	
1-Methylnaphthalene	<1330	ug/kg	4420	1330	20	10/16/20 12:40	10/19/20 16:20	90-12-0	D3
2-Methylnaphthalene	<1210	ug/kg	4030	1210	20	10/16/20 12:40	10/19/20 16:20	91-57-6	
Naphthalene	<1630	ug/kg	5430	1630	20	10/16/20 12:40	10/19/20 16:20	91-20-3	
Pentachlorophenol	<1030	ug/kg	3420	1030	20	10/16/20 12:40	10/19/20 16:20	87-86-5	
Phenanthrene	<597	ug/kg	1990	597	20	10/16/20 12:40	10/19/20 16:20	85-01-8	
Pyrene	<1030	ug/kg	3440	1030	20	10/16/20 12:40	10/19/20 16:20	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	46	%	17-110		20	10/16/20 12:40	10/19/20 16:20	4165-60-0	
2-Fluorobiphenyl (S)	57	%	45-103		20	10/16/20 12:40	10/19/20 16:20	321-60-8	
Terphenyl-d14 (S)	69	%	46-100		20	10/16/20 12:40	10/19/20 16:20	1718-51-0	
2,4,6-Tribromophenol (S)	51	%	10-153		20	10/16/20 12:40	10/19/20 16:20	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-6 (8'-12') Lab ID: 40216442028 Collected: 10/13/20 08:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 23:09	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 23:09	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 23:09	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 23:09	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:09	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 23:09	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 23:09	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 23:09	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 23:09	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 23:09	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 23:09	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 23:09	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 23:09	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 23:09	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 23:09	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 23:09	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 23:09	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:09	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 23:09	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 23:09	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-6 (8'-12') Lab ID: 40216442028 Collected: 10/13/20 08:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 23:09	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 23:09	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 23:09	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 23:09	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 23:09	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 23:09	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:09	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	90	%	58-145		1	10/16/20 08:15	10/16/20 23:09	1868-53-7	
Toluene-d8 (S)	95	%	56-140		1	10/16/20 08:15	10/16/20 23:09	2037-26-5	
4-Bromofluorobenzene (S)	87	%	52-137		1	10/16/20 08:15	10/16/20 23:09	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	28.3	%	0.10	0.10	1	10/14/20 08:31
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-9 (0'-4') Lab ID: 40216442029 Collected: 10/13/20 08:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	1.4J	mg/kg	2.5	1.0	1	10/16/20 07:47	10/16/20 18:29	7440-36-0	
Arsenic	<1.9	mg/kg	3.2	1.9	1	10/16/20 07:47	10/16/20 18:29	7440-38-2	
Beryllium	0.51	mg/kg	0.51	0.15	1	10/16/20 07:47	10/16/20 18:29	7440-41-7	
Cadmium	1.0	mg/kg	0.64	0.17	1	10/16/20 07:47	10/16/20 18:29	7440-43-9	
Chromium	14.4	mg/kg	1.3	0.35	1	10/16/20 07:47	10/16/20 18:29	7440-47-3	
Copper	61.3	mg/kg	1.3	0.35	1	10/16/20 07:47	10/16/20 18:29	7440-50-8	
Lead	70.3	mg/kg	2.5	0.76	1	10/16/20 07:47	10/16/20 18:29	7439-92-1	
Nickel	13.9	mg/kg	1.3	0.34	1	10/16/20 07:47	10/16/20 18:29	7440-02-0	
Selenium	2.5J	mg/kg	5.1	1.7	1	10/16/20 07:47	10/16/20 18:29	7782-49-2	
Silver	<0.39	mg/kg	1.3	0.39	1	10/16/20 07:47	10/16/20 18:29	7440-22-4	
Thallium	1.2J	mg/kg	5.1	0.99	1	10/16/20 07:47	10/16/20 18:29	7440-28-0	
Zinc	200	mg/kg	5.1	1.5	1	10/16/20 07:47	10/16/20 18:29	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.070	mg/kg	0.042	0.012	1	10/15/20 09:55	10/15/20 14:26	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<787	ug/kg	2620	787	10	10/16/20 12:40	10/19/20 13:54	83-32-9	
Acenaphthylene	<792	ug/kg	2640	792	10	10/16/20 12:40	10/19/20 13:54	208-96-8	
Anthracene	<355	ug/kg	1180	355	10	10/16/20 12:40	10/19/20 13:54	120-12-7	
Benzo(a)anthracene	353J	ug/kg	1150	344	10	10/16/20 12:40	10/19/20 13:54	56-55-3	
Benzo(a)pyrene	484J	ug/kg	1110	334	10	10/16/20 12:40	10/19/20 13:54	50-32-8	
Benzo(b)fluoranthene	585J	ug/kg	1270	381	10	10/16/20 12:40	10/19/20 13:54	205-99-2	
Benzo(g,h,i)perylene	626J	ug/kg	1930	580	10	10/16/20 12:40	10/19/20 13:54	191-24-2	
Benzo(k)fluoranthene	<531	ug/kg	1770	531	10	10/16/20 12:40	10/19/20 13:54	207-08-9	
Chrysene	451J	ug/kg	1110	332	10	10/16/20 12:40	10/19/20 13:54	218-01-9	
Dibenz(a,h)anthracene	<603	ug/kg	2010	603	10	10/16/20 12:40	10/19/20 13:54	53-70-3	
Fluoranthene	820J	ug/kg	1050	314	10	10/16/20 12:40	10/19/20 13:54	206-44-0	
Fluorene	<259	ug/kg	864	259	10	10/16/20 12:40	10/19/20 13:54	86-73-7	
Indeno(1,2,3-cd)pyrene	644J	ug/kg	1600	480	10	10/16/20 12:40	10/19/20 13:54	193-39-5	
1-Methylnaphthalene	<632	ug/kg	2110	632	10	10/16/20 12:40	10/19/20 13:54	90-12-0	D3
2-Methylnaphthalene	<576	ug/kg	1920	576	10	10/16/20 12:40	10/19/20 13:54	91-57-6	
Naphthalene	<776	ug/kg	2590	776	10	10/16/20 12:40	10/19/20 13:54	91-20-3	
Pentachlorophenol	<489	ug/kg	1630	489	10	10/16/20 12:40	10/19/20 13:54	87-86-5	
Phenanthrene	442J	ug/kg	949	285	10	10/16/20 12:40	10/19/20 13:54	85-01-8	
Pyrene	639J	ug/kg	1640	492	10	10/16/20 12:40	10/19/20 13:54	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	53	%	17-110		10	10/16/20 12:40	10/19/20 13:54	4165-60-0	
2-Fluorobiphenyl (S)	69	%	45-103		10	10/16/20 12:40	10/19/20 13:54	321-60-8	
Terphenyl-d14 (S)	74	%	46-100		10	10/16/20 12:40	10/19/20 13:54	1718-51-0	
2,4,6-Tribromophenol (S)	64	%	10-153		10	10/16/20 12:40	10/19/20 13:54	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-9 (0'-4') Lab ID: 40216442029 Collected: 10/13/20 08:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 23:36	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 23:36	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 23:36	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 23:36	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:36	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 23:36	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 23:36	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 23:36	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 23:36	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 23:36	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 23:36	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 23:36	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 23:36	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 23:36	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 23:36	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 23:36	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 23:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 23:36	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 23:36	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 23:36	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-9 (0'-4') Lab ID: 40216442029 Collected: 10/13/20 08:30 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 23:36	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 23:36	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 23:36	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 23:36	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 23:36	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 23:36	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 23:36	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	97	%	58-145		1	10/16/20 08:15	10/16/20 23:36	1868-53-7	
Toluene-d8 (S)	103	%	56-140		1	10/16/20 08:15	10/16/20 23:36	2037-26-5	
4-Bromofluorobenzene (S)	96	%	52-137		1	10/16/20 08:15	10/16/20 23:36	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	24.9	%	0.10	0.10	1		10/14/20 08:32		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-9 (8'-12') Lab ID: 40216442030 Collected: 10/13/20 08:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.83	mg/kg	2.1	0.83	1	10/16/20 07:47	10/16/20 18:32	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 18:32	7440-38-2	
Beryllium	0.22J	mg/kg	0.42	0.12	1	10/16/20 07:47	10/16/20 18:32	7440-41-7	
Cadmium	<0.14	mg/kg	0.52	0.14	1	10/16/20 07:47	10/16/20 18:32	7440-43-9	
Chromium	6.6	mg/kg	1.0	0.29	1	10/16/20 07:47	10/16/20 18:32	7440-47-3	
Copper	8.4	mg/kg	1.0	0.29	1	10/16/20 07:47	10/16/20 18:32	7440-50-8	
Lead	5.4	mg/kg	2.1	0.62	1	10/16/20 07:47	10/16/20 18:32	7439-92-1	
Nickel	6.9	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:32	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:47	10/16/20 18:32	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/16/20 07:47	10/16/20 18:32	7440-22-4	
Thallium	<0.80	mg/kg	4.2	0.80	1	10/16/20 07:47	10/16/20 18:32	7440-28-0	
Zinc	20.2	mg/kg	4.2	1.2	1	10/16/20 07:47	10/16/20 18:32	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.037	0.011	1	10/20/20 07:09	10/20/20 09:54	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<319	ug/kg	1060	319	5	10/16/20 12:40	10/19/20 17:02	83-32-9	
Acenaphthylene	<320	ug/kg	1070	320	5	10/16/20 12:40	10/19/20 17:02	208-96-8	
Anthracene	<144	ug/kg	479	144	5	10/16/20 12:40	10/19/20 17:02	120-12-7	
Benzo(a)anthracene	<139	ug/kg	464	139	5	10/16/20 12:40	10/19/20 17:02	56-55-3	
Benzo(a)pyrene	<135	ug/kg	451	135	5	10/16/20 12:40	10/19/20 17:02	50-32-8	
Benzo(b)fluoranthene	<154	ug/kg	515	154	5	10/16/20 12:40	10/19/20 17:02	205-99-2	
Benzo(g,h,i)perylene	<235	ug/kg	783	235	5	10/16/20 12:40	10/19/20 17:02	191-24-2	
Benzo(k)fluoranthene	<215	ug/kg	717	215	5	10/16/20 12:40	10/19/20 17:02	207-08-9	
Chrysene	<134	ug/kg	448	134	5	10/16/20 12:40	10/19/20 17:02	218-01-9	
Dibenz(a,h)anthracene	<244	ug/kg	813	244	5	10/16/20 12:40	10/19/20 17:02	53-70-3	
Fluoranthene	<127	ug/kg	424	127	5	10/16/20 12:40	10/19/20 17:02	206-44-0	
Fluorene	<105	ug/kg	350	105	5	10/16/20 12:40	10/19/20 17:02	86-73-7	
Indeno(1,2,3-cd)pyrene	<194	ug/kg	648	194	5	10/16/20 12:40	10/19/20 17:02	193-39-5	
1-Methylnaphthalene	<256	ug/kg	853	256	5	10/16/20 12:40	10/19/20 17:02	90-12-0	D3
2-Methylnaphthalene	<233	ug/kg	778	233	5	10/16/20 12:40	10/19/20 17:02	91-57-6	
Naphthalene	<314	ug/kg	1050	314	5	10/16/20 12:40	10/19/20 17:02	91-20-3	
Pentachlorophenol	<198	ug/kg	659	198	5	10/16/20 12:40	10/19/20 17:02	87-86-5	
Phenanthrene	<115	ug/kg	384	115	5	10/16/20 12:40	10/19/20 17:02	85-01-8	
Pyrene	<199	ug/kg	664	199	5	10/16/20 12:40	10/19/20 17:02	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	63	%	17-110		5	10/16/20 12:40	10/19/20 17:02	4165-60-0	
2-Fluorobiphenyl (S)	77	%	45-103		5	10/16/20 12:40	10/19/20 17:02	321-60-8	
Terphenyl-d14 (S)	82	%	46-100		5	10/16/20 12:40	10/19/20 17:02	1718-51-0	
2,4,6-Tribromophenol (S)	78	%	10-153		5	10/16/20 12:40	10/19/20 17:02	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-9 (8'-12') Lab ID: 40216442030 Collected: 10/13/20 08:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 00:03	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 00:03	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 00:03	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 00:03	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:03	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 00:03	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 00:03	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 00:03	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 00:03	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 00:03	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 00:03	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 00:03	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 00:03	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 00:03	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 00:03	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 00:03	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 00:03	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:03	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 00:03	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 00:03	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-9 (8'-12') Lab ID: 40216442030 Collected: 10/13/20 08:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 00:03	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 00:03	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 00:03	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 00:03	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 00:03	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 00:03	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:03	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	58-145		1	10/16/20 08:15	10/17/20 00:03	1868-53-7	
Toluene-d8 (S)	107	%	56-140		1	10/16/20 08:15	10/17/20 00:03	2037-26-5	
4-Bromofluorobenzene (S)	101	%	52-137		1	10/16/20 08:15	10/17/20 00:03	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	7.2	%	0.10	0.10	1	10/14/20 08:32
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-10 (0'-4') Lab ID: 40216442031 Collected: 10/13/20 09:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.81	mg/kg	2.0	0.81	1	10/16/20 07:47	10/16/20 18:34	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:47	10/16/20 18:34	7440-38-2	
Beryllium	0.24J	mg/kg	0.41	0.12	1	10/16/20 07:47	10/16/20 18:34	7440-41-7	
Cadmium	0.78	mg/kg	0.51	0.14	1	10/16/20 07:47	10/16/20 18:34	7440-43-9	
Chromium	6.7	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:34	7440-47-3	
Copper	11.5	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:34	7440-50-8	
Lead	12.9	mg/kg	2.0	0.61	1	10/16/20 07:47	10/16/20 18:34	7439-92-1	
Nickel	6.0	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 18:34	7440-02-0	
Selenium	<1.3	mg/kg	4.1	1.3	1	10/16/20 07:47	10/16/20 18:34	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 18:34	7440-22-4	
Thallium	<0.79	mg/kg	4.1	0.79	1	10/16/20 07:47	10/16/20 18:34	7440-28-0	
Zinc	223	mg/kg	4.1	1.2	1	10/16/20 07:47	10/16/20 18:34	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.036	0.010	1	10/20/20 07:09	10/20/20 10:01	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<619	ug/kg	2060	619	10	10/16/20 12:40	10/19/20 14:15	83-32-9	
Acenaphthylene	<623	ug/kg	2080	623	10	10/16/20 12:40	10/19/20 14:15	208-96-8	
Anthracene	<279	ug/kg	930	279	10	10/16/20 12:40	10/19/20 14:15	120-12-7	
Benzo(a)anthracene	691J	ug/kg	901	270	10	10/16/20 12:40	10/19/20 14:15	56-55-3	
Benzo(a)pyrene	755J	ug/kg	876	263	10	10/16/20 12:40	10/19/20 14:15	50-32-8	B
Benzo(b)fluoranthene	1080	ug/kg	1000	300	10	10/16/20 12:40	10/19/20 14:15	205-99-2	
Benzo(g,h,i)perylene	653J	ug/kg	1520	457	10	10/16/20 12:40	10/19/20 14:15	191-24-2	
Benzo(k)fluoranthene	470J	ug/kg	1390	418	10	10/16/20 12:40	10/19/20 14:15	207-08-9	
Chrysene	949	ug/kg	870	261	10	10/16/20 12:40	10/19/20 14:15	218-01-9	
Dibenz(a,h)anthracene	<474	ug/kg	1580	474	10	10/16/20 12:40	10/19/20 14:15	53-70-3	
Fluoranthene	3110	ug/kg	824	247	10	10/16/20 12:40	10/19/20 14:15	206-44-0	
Fluorene	328J	ug/kg	680	204	10	10/16/20 12:40	10/19/20 14:15	86-73-7	
Indeno(1,2,3-cd)pyrene	722J	ug/kg	1260	378	10	10/16/20 12:40	10/19/20 14:15	193-39-5	
1-Methylnaphthalene	<497	ug/kg	1660	497	10	10/16/20 12:40	10/19/20 14:15	90-12-0	D3
2-Methylnaphthalene	<453	ug/kg	1510	453	10	10/16/20 12:40	10/19/20 14:15	91-57-6	
Naphthalene	655J	ug/kg	2040	611	10	10/16/20 12:40	10/19/20 14:15	91-20-3	
Pentachlorophenol	<385	ug/kg	1280	385	10	10/16/20 12:40	10/19/20 14:15	87-86-5	
Phenanthrene	2990	ug/kg	747	224	10	10/16/20 12:40	10/19/20 14:15	85-01-8	
Pyrene	2000	ug/kg	1290	387	10	10/16/20 12:40	10/19/20 14:15	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	43	%	17-110		10	10/16/20 12:40	10/19/20 14:15	4165-60-0	
2-Fluorobiphenyl (S)	69	%	45-103		10	10/16/20 12:40	10/19/20 14:15	321-60-8	
Terphenyl-d14 (S)	73	%	46-100		10	10/16/20 12:40	10/19/20 14:15	1718-51-0	
2,4,6-Tribromophenol (S)	74	%	10-153		10	10/16/20 12:40	10/19/20 14:15	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-10 (0'-4') Lab ID: 40216442031 Collected: 10/13/20 09:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 20:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/16/20 20:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/16/20 20:28	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/16/20 20:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/16/20 20:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/16/20 20:28	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/16/20 20:28	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/16/20 20:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 20:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/16/20 20:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/16/20 20:28	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/16/20 20:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/16/20 20:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/16/20 20:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/16/20 20:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/16/20 20:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/16/20 20:28	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/16/20 20:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/16/20 20:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-10 (0'-4') Lab ID: 40216442031 Collected: 10/13/20 09:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/16/20 20:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/16/20 20:28	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/16/20 20:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/16/20 20:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/16/20 20:28	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/16/20 20:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/16/20 20:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	58-145		1	10/16/20 08:15	10/16/20 20:28	1868-53-7	
Toluene-d8 (S)	102	%	56-140		1	10/16/20 08:15	10/16/20 20:28	2037-26-5	
4-Bromofluorobenzene (S)	95	%	52-137		1	10/16/20 08:15	10/16/20 20:28	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	4.4	%	0.10	0.10	1		10/14/20 08:32		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-10 (8'-12') Lab ID: 40216442032 Collected: 10/13/20 09:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.81	mg/kg	2.0	0.81	1	10/16/20 07:47	10/16/20 18:36	7440-36-0	
Arsenic	<1.5	mg/kg	2.5	1.5	1	10/16/20 07:47	10/16/20 18:36	7440-38-2	
Beryllium	0.16J	mg/kg	0.40	0.12	1	10/16/20 07:47	10/16/20 18:36	7440-41-7	
Cadmium	<0.13	mg/kg	0.51	0.13	1	10/16/20 07:47	10/16/20 18:36	7440-43-9	
Chromium	7.3	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:36	7440-47-3	
Copper	9.3	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:36	7440-50-8	
Lead	1.4J	mg/kg	2.0	0.61	1	10/16/20 07:47	10/16/20 18:36	7439-92-1	
Nickel	6.7	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 18:36	7440-02-0	
Selenium	<1.3	mg/kg	4.0	1.3	1	10/16/20 07:47	10/16/20 18:36	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 18:36	7440-22-4	
Thallium	0.84J	mg/kg	4.0	0.78	1	10/16/20 07:47	10/16/20 18:36	7440-28-0	
Zinc	39.5	mg/kg	4.0	1.2	1	10/16/20 07:47	10/16/20 18:36	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0091	mg/kg	0.032	0.0091	1	10/20/20 07:09	10/20/20 10:03	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<303	ug/kg	1010	303	5	10/16/20 12:40	10/19/20 15:18	83-32-9	
Acenaphthylene	<305	ug/kg	1020	305	5	10/16/20 12:40	10/19/20 15:18	208-96-8	
Anthracene	<137	ug/kg	456	137	5	10/16/20 12:40	10/19/20 15:18	120-12-7	
Benzo(a)anthracene	<133	ug/kg	442	133	5	10/16/20 12:40	10/19/20 15:18	56-55-3	
Benzo(a)pyrene	<129	ug/kg	429	129	5	10/16/20 12:40	10/19/20 15:18	50-32-8	
Benzo(b)fluoranthene	<147	ug/kg	490	147	5	10/16/20 12:40	10/19/20 15:18	205-99-2	
Benzo(g,h,i)perylene	<224	ug/kg	746	224	5	10/16/20 12:40	10/19/20 15:18	191-24-2	
Benzo(k)fluoranthene	<205	ug/kg	683	205	5	10/16/20 12:40	10/19/20 15:18	207-08-9	
Chrysene	<128	ug/kg	426	128	5	10/16/20 12:40	10/19/20 15:18	218-01-9	
Dibenz(a,h)anthracene	<232	ug/kg	775	232	5	10/16/20 12:40	10/19/20 15:18	53-70-3	
Fluoranthene	<121	ug/kg	404	121	5	10/16/20 12:40	10/19/20 15:18	206-44-0	
Fluorene	<100	ug/kg	333	100	5	10/16/20 12:40	10/19/20 15:18	86-73-7	
Indeno(1,2,3-cd)pyrene	<185	ug/kg	617	185	5	10/16/20 12:40	10/19/20 15:18	193-39-5	
1-Methylnaphthalene	<244	ug/kg	812	244	5	10/16/20 12:40	10/19/20 15:18	90-12-0	D3
2-Methylnaphthalene	<222	ug/kg	741	222	5	10/16/20 12:40	10/19/20 15:18	91-57-6	
Naphthalene	<299	ug/kg	997	299	5	10/16/20 12:40	10/19/20 15:18	91-20-3	
Pentachlorophenol	<188	ug/kg	628	188	5	10/16/20 12:40	10/19/20 15:18	87-86-5	
Phenanthrene	<110	ug/kg	366	110	5	10/16/20 12:40	10/19/20 15:18	85-01-8	
Pyrene	<190	ug/kg	632	190	5	10/16/20 12:40	10/19/20 15:18	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	17-110		5	10/16/20 12:40	10/19/20 15:18	4165-60-0	
2-Fluorobiphenyl (S)	58	%	45-103		5	10/16/20 12:40	10/19/20 15:18	321-60-8	
Terphenyl-d14 (S)	68	%	46-100		5	10/16/20 12:40	10/19/20 15:18	1718-51-0	
2,4,6-Tribromophenol (S)	64	%	10-153		5	10/16/20 12:40	10/19/20 15:18	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-10 (8'-12') Lab ID: 40216442032 Collected: 10/13/20 09:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 00:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 00:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 00:57	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 00:57	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 00:57	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 00:57	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 00:57	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 00:57	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 00:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 00:57	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 00:57	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 00:57	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 00:57	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 00:57	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 00:57	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 00:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:57	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 00:57	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 00:57	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-10 (8'-12') Lab ID: 40216442032 Collected: 10/13/20 09:40 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 00:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 00:57	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 00:57	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 00:57	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 00:57	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 00:57	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:57	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	91	%	58-145		1	10/16/20 08:15	10/17/20 00:57	1868-53-7	
Toluene-d8 (S)	95	%	56-140		1	10/16/20 08:15	10/17/20 00:57	2037-26-5	
4-Bromofluorobenzene (S)	89	%	52-137		1	10/16/20 08:15	10/17/20 00:57	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	2.5	%	0.10	0.10	1		10/14/20 08:32		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-11 (0'-4') Lab ID: 40216442033 Collected: 10/13/20 08:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.84	mg/kg	2.1	0.84	1	10/16/20 07:47	10/16/20 18:39	7440-36-0	
Arsenic	<1.6	mg/kg	2.6	1.6	1	10/16/20 07:47	10/16/20 18:39	7440-38-2	
Beryllium	0.35J	mg/kg	0.42	0.13	1	10/16/20 07:47	10/16/20 18:39	7440-41-7	
Cadmium	<0.14	mg/kg	0.53	0.14	1	10/16/20 07:47	10/16/20 18:39	7440-43-9	
Chromium	3.8	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 18:39	7440-47-3	
Copper	4.2	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 18:39	7440-50-8	
Lead	7.3	mg/kg	2.1	0.63	1	10/16/20 07:47	10/16/20 18:39	7439-92-1	
Nickel	2.9	mg/kg	1.1	0.28	1	10/16/20 07:47	10/16/20 18:39	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:47	10/16/20 18:39	7782-49-2	
Silver	<0.32	mg/kg	1.1	0.32	1	10/16/20 07:47	10/16/20 18:39	7440-22-4	
Thallium	<0.82	mg/kg	4.2	0.82	1	10/16/20 07:47	10/16/20 18:39	7440-28-0	
Zinc	35.7	mg/kg	4.2	1.3	1	10/16/20 07:47	10/16/20 18:39	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0098	mg/kg	0.034	0.0098	1	10/20/20 07:09	10/20/20 10:05	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<64.2	ug/kg	214	64.2	1	10/16/20 12:40	10/20/20 13:28	83-32-9	
Acenaphthylene	<64.6	ug/kg	215	64.6	1	10/16/20 12:40	10/20/20 13:28	208-96-8	
Anthracene	<28.9	ug/kg	96.5	28.9	1	10/16/20 12:40	10/20/20 13:28	120-12-7	
Benzo(a)anthracene	<28.0	ug/kg	93.5	28.0	1	10/16/20 12:40	10/20/20 13:28	56-55-3	
Benzo(a)pyrene	<27.2	ug/kg	90.8	27.2	1	10/16/20 12:40	10/20/20 13:28	50-32-8	
Benzo(b)fluoranthene	<31.1	ug/kg	104	31.1	1	10/16/20 12:40	10/20/20 13:28	205-99-2	
Benzo(g,h,i)perylene	<47.4	ug/kg	158	47.4	1	10/16/20 12:40	10/20/20 13:28	191-24-2	
Benzo(k)fluoranthene	<43.4	ug/kg	145	43.4	1	10/16/20 12:40	10/20/20 13:28	207-08-9	
Chrysene	<27.1	ug/kg	90.2	27.1	1	10/16/20 12:40	10/20/20 13:28	218-01-9	
Dibenz(a,h)anthracene	<49.2	ug/kg	164	49.2	1	10/16/20 12:40	10/20/20 13:28	53-70-3	
Fluoranthene	<25.6	ug/kg	85.4	25.6	1	10/16/20 12:40	10/20/20 13:28	206-44-0	
Fluorene	<21.2	ug/kg	70.5	21.2	1	10/16/20 12:40	10/20/20 13:28	86-73-7	
Indeno(1,2,3-cd)pyrene	<39.2	ug/kg	131	39.2	1	10/16/20 12:40	10/20/20 13:28	193-39-5	
1-Methylnaphthalene	<51.6	ug/kg	172	51.6	1	10/16/20 12:40	10/20/20 13:28	90-12-0	
2-Methylnaphthalene	<47.0	ug/kg	157	47.0	1	10/16/20 12:40	10/20/20 13:28	91-57-6	
Naphthalene	<63.3	ug/kg	211	63.3	1	10/16/20 12:40	10/20/20 13:28	91-20-3	
Pentachlorophenol	<39.9	ug/kg	133	39.9	1	10/16/20 12:40	10/20/20 13:28	87-86-5	
Phenanthrene	<23.2	ug/kg	77.4	23.2	1	10/16/20 12:40	10/20/20 13:28	85-01-8	
Pyrene	<40.1	ug/kg	134	40.1	1	10/16/20 12:40	10/20/20 13:28	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	71	%	17-110		1	10/16/20 12:40	10/20/20 13:28	4165-60-0	
2-Fluorobiphenyl (S)	82	%	45-103		1	10/16/20 12:40	10/20/20 13:28	321-60-8	
Terphenyl-d14 (S)	84	%	46-100		1	10/16/20 12:40	10/20/20 13:28	1718-51-0	
2,4,6-Tribromophenol (S)	88	%	10-153		1	10/16/20 12:40	10/20/20 13:28	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-11 (0'-4') Lab ID: 40216442033 Collected: 10/13/20 08:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 01:24	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 01:24	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 01:24	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 01:24	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:24	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 01:24	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 01:24	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 01:24	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 01:24	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 01:24	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 01:24	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 01:24	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 01:24	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 01:24	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 01:24	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 01:24	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 01:24	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:24	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 01:24	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 01:24	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-11 (0'-4') Lab ID: 40216442033 Collected: 10/13/20 08:15 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 01:24	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 01:24	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 01:24	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 01:24	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 01:24	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 01:24	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:24	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	58-145		1	10/16/20 08:15	10/17/20 01:24	1868-53-7	
Toluene-d8 (S)	98	%	56-140		1	10/16/20 08:15	10/17/20 01:24	2037-26-5	
4-Bromofluorobenzene (S)	91	%	52-137		1	10/16/20 08:15	10/17/20 01:24	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	7.7	%	0.10	0.10	1		10/14/20 08:32		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-11 (8'-12') Lab ID: 40216442034 Collected: 10/13/20 08:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.80	mg/kg	2.0	0.80	1	10/16/20 07:47	10/16/20 18:41	7440-36-0	
Arsenic	<1.5	mg/kg	2.5	1.5	1	10/16/20 07:47	10/16/20 18:41	7440-38-2	
Beryllium	0.24J	mg/kg	0.40	0.12	1	10/16/20 07:47	10/16/20 18:41	7440-41-7	
Cadmium	<0.13	mg/kg	0.50	0.13	1	10/16/20 07:47	10/16/20 18:41	7440-43-9	
Chromium	8.5	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:41	7440-47-3	
Copper	10.9	mg/kg	1.0	0.28	1	10/16/20 07:47	10/16/20 18:41	7440-50-8	
Lead	2.3	mg/kg	2.0	0.60	1	10/16/20 07:47	10/16/20 18:41	7439-92-1	
Nickel	9.0	mg/kg	1.0	0.27	1	10/16/20 07:47	10/16/20 18:41	7440-02-0	
Selenium	<1.3	mg/kg	4.0	1.3	1	10/16/20 07:47	10/16/20 18:41	7782-49-2	
Silver	<0.31	mg/kg	1.0	0.31	1	10/16/20 07:47	10/16/20 18:41	7440-22-4	
Thallium	<0.78	mg/kg	4.0	0.78	1	10/16/20 07:47	10/16/20 18:41	7440-28-0	
Zinc	14.7	mg/kg	4.0	1.2	1	10/16/20 07:47	10/16/20 18:41	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.010	mg/kg	0.036	0.010	1	10/20/20 07:09	10/20/20 10:08	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<61.2	ug/kg	204	61.2	1	10/16/20 12:40	10/20/20 13:49	83-32-9	
Acenaphthylene	<61.6	ug/kg	205	61.6	1	10/16/20 12:40	10/20/20 13:49	208-96-8	
Anthracene	<27.6	ug/kg	92.0	27.6	1	10/16/20 12:40	10/20/20 13:49	120-12-7	
Benzo(a)anthracene	<26.7	ug/kg	89.1	26.7	1	10/16/20 12:40	10/20/20 13:49	56-55-3	
Benzo(a)pyrene	<26.0	ug/kg	86.6	26.0	1	10/16/20 12:40	10/20/20 13:49	50-32-8	
Benzo(b)fluoranthene	<29.7	ug/kg	98.9	29.7	1	10/16/20 12:40	10/20/20 13:49	205-99-2	
Benzo(g,h,i)perylene	<45.2	ug/kg	151	45.2	1	10/16/20 12:40	10/20/20 13:49	191-24-2	
Benzo(k)fluoranthene	<41.3	ug/kg	138	41.3	1	10/16/20 12:40	10/20/20 13:49	207-08-9	
Chrysene	<25.8	ug/kg	86.0	25.8	1	10/16/20 12:40	10/20/20 13:49	218-01-9	
Dibenz(a,h)anthracene	<46.9	ug/kg	156	46.9	1	10/16/20 12:40	10/20/20 13:49	53-70-3	
Fluoranthene	<24.4	ug/kg	81.4	24.4	1	10/16/20 12:40	10/20/20 13:49	206-44-0	
Fluorene	<20.2	ug/kg	67.3	20.2	1	10/16/20 12:40	10/20/20 13:49	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.4	ug/kg	125	37.4	1	10/16/20 12:40	10/20/20 13:49	193-39-5	
1-Methylnaphthalene	<49.2	ug/kg	164	49.2	1	10/16/20 12:40	10/20/20 13:49	90-12-0	
2-Methylnaphthalene	<44.8	ug/kg	149	44.8	1	10/16/20 12:40	10/20/20 13:49	91-57-6	
Naphthalene	<60.4	ug/kg	201	60.4	1	10/16/20 12:40	10/20/20 13:49	91-20-3	
Pentachlorophenol	<38.0	ug/kg	127	38.0	1	10/16/20 12:40	10/20/20 13:49	87-86-5	
Phenanthrene	<22.2	ug/kg	73.8	22.2	1	10/16/20 12:40	10/20/20 13:49	85-01-8	
Pyrene	<38.3	ug/kg	128	38.3	1	10/16/20 12:40	10/20/20 13:49	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	62	%	17-110		1	10/16/20 12:40	10/20/20 13:49	4165-60-0	
2-Fluorobiphenyl (S)	74	%	45-103		1	10/16/20 12:40	10/20/20 13:49	321-60-8	
Terphenyl-d14 (S)	78	%	46-100		1	10/16/20 12:40	10/20/20 13:49	1718-51-0	
2,4,6-Tribromophenol (S)	79	%	10-153		1	10/16/20 12:40	10/20/20 13:49	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-11 (8'-12') Lab ID: 40216442034 Collected: 10/13/20 08:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 02:18	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 02:18	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 02:18	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 02:18	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:18	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 02:18	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 02:18	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 02:18	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 02:18	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 02:18	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 02:18	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 02:18	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 02:18	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 02:18	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 02:18	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 02:18	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 02:18	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:18	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 02:18	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 02:18	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-11 (8'-12') Lab ID: 40216442034 Collected: 10/13/20 08:20 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 02:18	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 02:18	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 02:18	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 02:18	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 02:18	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 02:18	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:18	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	106	%	58-145		1	10/16/20 08:15	10/17/20 02:18	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	10/16/20 08:15	10/17/20 02:18	2037-26-5	
4-Bromofluorobenzene (S)	106	%	52-137		1	10/16/20 08:15	10/17/20 02:18	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	3.5	%	0.10	0.10	1		10/14/20 08:32		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-12 (0'-4') Lab ID: 40216442035 Collected: 10/13/20 07:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.86	mg/kg	2.2	0.86	1	10/16/20 07:47	10/16/20 18:48	7440-36-0	
Arsenic	<1.6	mg/kg	2.7	1.6	1	10/16/20 07:47	10/16/20 18:48	7440-38-2	
Beryllium	0.67	mg/kg	0.43	0.13	1	10/16/20 07:47	10/16/20 18:48	7440-41-7	
Cadmium	<0.14	mg/kg	0.54	0.14	1	10/16/20 07:47	10/16/20 18:48	7440-43-9	
Chromium	8.4	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:48	7440-47-3	
Copper	5.3	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:48	7440-50-8	
Lead	9.6	mg/kg	2.2	0.65	1	10/16/20 07:47	10/16/20 18:48	7439-92-1	
Nickel	5.5	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 18:48	7440-02-0	
Selenium	<1.4	mg/kg	4.3	1.4	1	10/16/20 07:47	10/16/20 18:48	7782-49-2	
Silver	<0.33	mg/kg	1.1	0.33	1	10/16/20 07:47	10/16/20 18:48	7440-22-4	
Thallium	1.5J	mg/kg	4.3	0.84	1	10/16/20 07:47	10/16/20 18:48	7440-28-0	
Zinc	50.2	mg/kg	4.3	1.3	1	10/16/20 07:47	10/16/20 18:48	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0097	mg/kg	0.034	0.0097	1	10/20/20 07:09	10/20/20 10:10	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<516	ug/kg	1720	516	8	10/16/20 12:40	10/19/20 15:39	83-32-9	
Acenaphthylene	<519	ug/kg	1730	519	8	10/16/20 12:40	10/19/20 15:39	208-96-8	
Anthracene	<233	ug/kg	776	233	8	10/16/20 12:40	10/19/20 15:39	120-12-7	
Benzo(a)anthracene	<225	ug/kg	752	225	8	10/16/20 12:40	10/19/20 15:39	56-55-3	
Benzo(a)pyrene	<219	ug/kg	730	219	8	10/16/20 12:40	10/19/20 15:39	50-32-8	
Benzo(b)fluoranthene	<250	ug/kg	834	250	8	10/16/20 12:40	10/19/20 15:39	205-99-2	
Benzo(g,h,i)perylene	<381	ug/kg	1270	381	8	10/16/20 12:40	10/19/20 15:39	191-24-2	
Benzo(k)fluoranthene	<349	ug/kg	1160	349	8	10/16/20 12:40	10/19/20 15:39	207-08-9	
Chrysene	<218	ug/kg	726	218	8	10/16/20 12:40	10/19/20 15:39	218-01-9	
Dibenz(a,h)anthracene	<395	ug/kg	1320	395	8	10/16/20 12:40	10/19/20 15:39	53-70-3	
Fluoranthene	<206	ug/kg	687	206	8	10/16/20 12:40	10/19/20 15:39	206-44-0	
Fluorene	<170	ug/kg	567	170	8	10/16/20 12:40	10/19/20 15:39	86-73-7	
Indeno(1,2,3-cd)pyrene	<315	ug/kg	1050	315	8	10/16/20 12:40	10/19/20 15:39	193-39-5	
1-Methylnaphthalene	<415	ug/kg	1380	415	8	10/16/20 12:40	10/19/20 15:39	90-12-0	D3
2-Methylnaphthalene	<378	ug/kg	1260	378	8	10/16/20 12:40	10/19/20 15:39	91-57-6	
Naphthalene	<509	ug/kg	1700	509	8	10/16/20 12:40	10/19/20 15:39	91-20-3	
Pentachlorophenol	<321	ug/kg	1070	321	8	10/16/20 12:40	10/19/20 15:39	87-86-5	
Phenanthrene	<187	ug/kg	623	187	8	10/16/20 12:40	10/19/20 15:39	85-01-8	
Pyrene	<323	ug/kg	1080	323	8	10/16/20 12:40	10/19/20 15:39	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	48	%	17-110		8	10/16/20 12:40	10/19/20 15:39	4165-60-0	
2-Fluorobiphenyl (S)	63	%	45-103		8	10/16/20 12:40	10/19/20 15:39	321-60-8	
Terphenyl-d14 (S)	65	%	46-100		8	10/16/20 12:40	10/19/20 15:39	1718-51-0	
2,4,6-Tribromophenol (S)	67	%	10-153		8	10/16/20 12:40	10/19/20 15:39	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-12 (0'-4') Lab ID: 40216442035 Collected: 10/13/20 07:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 02:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 02:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 02:45	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 02:45	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 02:45	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 02:45	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 02:45	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 02:45	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 02:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 02:45	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 02:45	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 02:45	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 02:45	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 02:45	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 02:45	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 02:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 02:45	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 02:45	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 02:45	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-12 (0'-4') Lab ID: 40216442035 Collected: 10/13/20 07:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 02:45	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 02:45	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 02:45	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 02:45	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 02:45	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 02:45	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 02:45	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	58-145		1	10/16/20 08:15	10/17/20 02:45	1868-53-7	
Toluene-d8 (S)	121	%	56-140		1	10/16/20 08:15	10/17/20 02:45	2037-26-5	
4-Bromofluorobenzene (S)	115	%	52-137		1	10/16/20 08:15	10/17/20 02:45	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	8.3	%	0.10	0.10	1		10/14/20 08:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-12 (8'-12') Lab ID: 40216442036 Collected: 10/13/20 07:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.78	mg/kg	1.9	0.78	1	10/16/20 07:47	10/16/20 18:51	7440-36-0	
Arsenic	<1.4	mg/kg	2.4	1.4	1	10/16/20 07:47	10/16/20 18:51	7440-38-2	
Beryllium	0.18J	mg/kg	0.39	0.12	1	10/16/20 07:47	10/16/20 18:51	7440-41-7	
Cadmium	<0.13	mg/kg	0.49	0.13	1	10/16/20 07:47	10/16/20 18:51	7440-43-9	
Chromium	7.2	mg/kg	0.97	0.27	1	10/16/20 07:47	10/16/20 18:51	7440-47-3	
Copper	7.1	mg/kg	0.97	0.27	1	10/16/20 07:47	10/16/20 18:51	7440-50-8	
Lead	1.3J	mg/kg	1.9	0.58	1	10/16/20 07:47	10/16/20 18:51	7439-92-1	
Nickel	6.7	mg/kg	0.97	0.26	1	10/16/20 07:47	10/16/20 18:51	7440-02-0	
Selenium	<1.3	mg/kg	3.9	1.3	1	10/16/20 07:47	10/16/20 18:51	7782-49-2	
Silver	<0.30	mg/kg	0.97	0.30	1	10/16/20 07:47	10/16/20 18:51	7440-22-4	
Thallium	0.97J	mg/kg	3.9	0.75	1	10/16/20 07:47	10/16/20 18:51	7440-28-0	
Zinc	9.4	mg/kg	3.9	1.2	1	10/16/20 07:47	10/16/20 18:51	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0093	mg/kg	0.032	0.0093	1	10/20/20 07:09	10/20/20 10:17	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<60.7	ug/kg	202	60.7	1	10/16/20 12:40	10/20/20 14:09	83-32-9	
Acenaphthylene	<61.1	ug/kg	204	61.1	1	10/16/20 12:40	10/20/20 14:09	208-96-8	
Anthracene	<27.4	ug/kg	91.2	27.4	1	10/16/20 12:40	10/20/20 14:09	120-12-7	
Benzo(a)anthracene	<26.5	ug/kg	88.4	26.5	1	10/16/20 12:40	10/20/20 14:09	56-55-3	
Benzo(a)pyrene	<25.8	ug/kg	85.9	25.8	1	10/16/20 12:40	10/20/20 14:09	50-32-8	
Benzo(b)fluoranthene	<29.4	ug/kg	98.1	29.4	1	10/16/20 12:40	10/20/20 14:09	205-99-2	
Benzo(g,h,i)perylene	<44.8	ug/kg	149	44.8	1	10/16/20 12:40	10/20/20 14:09	191-24-2	
Benzo(k)fluoranthene	<41.0	ug/kg	137	41.0	1	10/16/20 12:40	10/20/20 14:09	207-08-9	
Chrysene	<25.6	ug/kg	85.3	25.6	1	10/16/20 12:40	10/20/20 14:09	218-01-9	
Dibenz(a,h)anthracene	<46.5	ug/kg	155	46.5	1	10/16/20 12:40	10/20/20 14:09	53-70-3	
Fluoranthene	<24.2	ug/kg	80.8	24.2	1	10/16/20 12:40	10/20/20 14:09	206-44-0	
Fluorene	<20.0	ug/kg	66.7	20.0	1	10/16/20 12:40	10/20/20 14:09	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.0	ug/kg	123	37.0	1	10/16/20 12:40	10/20/20 14:09	193-39-5	
1-Methylnaphthalene	<48.8	ug/kg	163	48.8	1	10/16/20 12:40	10/20/20 14:09	90-12-0	
2-Methylnaphthalene	<44.5	ug/kg	148	44.5	1	10/16/20 12:40	10/20/20 14:09	91-57-6	
Naphthalene	<59.9	ug/kg	200	59.9	1	10/16/20 12:40	10/20/20 14:09	91-20-3	
Pentachlorophenol	<37.7	ug/kg	126	37.7	1	10/16/20 12:40	10/20/20 14:09	87-86-5	
Phenanthrene	<22.0	ug/kg	73.2	22.0	1	10/16/20 12:40	10/20/20 14:09	85-01-8	
Pyrene	<37.9	ug/kg	127	37.9	1	10/16/20 12:40	10/20/20 14:09	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	61	%	17-110		1	10/16/20 12:40	10/20/20 14:09	4165-60-0	
2-Fluorobiphenyl (S)	70	%	45-103		1	10/16/20 12:40	10/20/20 14:09	321-60-8	
Terphenyl-d14 (S)	75	%	46-100		1	10/16/20 12:40	10/20/20 14:09	1718-51-0	
2,4,6-Tribromophenol (S)	80	%	10-153		1	10/16/20 12:40	10/20/20 14:09	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-12 (8'-12') Lab ID: 40216442036 Collected: 10/13/20 07:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 00:30	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 00:30	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 00:30	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 00:30	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:30	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 00:30	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 00:30	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 00:30	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 00:30	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 00:30	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 00:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 00:30	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 00:30	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 00:30	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 00:30	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 00:30	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 00:30	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 00:30	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 00:30	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 00:30	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-12 (8'-12') Lab ID: 40216442036 Collected: 10/13/20 07:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 00:30	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 00:30	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 00:30	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 00:30	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 00:30	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 00:30	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 00:30	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	103	%	58-145		1	10/16/20 08:15	10/17/20 00:30	1868-53-7	
Toluene-d8 (S)	110	%	56-140		1	10/16/20 08:15	10/17/20 00:30	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	10/16/20 08:15	10/17/20 00:30	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	2.6	%	0.10	0.10	1		10/14/20 08:43		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-13 (0.5'-4') Lab ID: 40216442037 Collected: 10/13/20 07:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.87	mg/kg	2.2	0.87	1	10/16/20 07:47	10/16/20 18:53	7440-36-0	
Arsenic	<1.6	mg/kg	2.7	1.6	1	10/16/20 07:47	10/16/20 18:53	7440-38-2	
Beryllium	0.42J	mg/kg	0.44	0.13	1	10/16/20 07:47	10/16/20 18:53	7440-41-7	
Cadmium	<0.15	mg/kg	0.55	0.15	1	10/16/20 07:47	10/16/20 18:53	7440-43-9	
Chromium	7.8	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:53	7440-47-3	
Copper	35.9	mg/kg	1.1	0.30	1	10/16/20 07:47	10/16/20 18:53	7440-50-8	
Lead	30.4	mg/kg	2.2	0.65	1	10/16/20 07:47	10/16/20 18:53	7439-92-1	
Nickel	14.9	mg/kg	1.1	0.29	1	10/16/20 07:47	10/16/20 18:53	7440-02-0	
Selenium	<1.4	mg/kg	4.4	1.4	1	10/16/20 07:47	10/16/20 18:53	7782-49-2	
Silver	<0.34	mg/kg	1.1	0.34	1	10/16/20 07:47	10/16/20 18:53	7440-22-4	
Thallium	<0.85	mg/kg	4.4	0.85	1	10/16/20 07:47	10/16/20 18:53	7440-28-0	
Zinc	52.7	mg/kg	4.4	1.3	1	10/16/20 07:47	10/16/20 18:53	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.012J	mg/kg	0.036	0.010	1	10/20/20 07:09	10/20/20 10:19	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<646	ug/kg	2150	646	10	10/16/20 12:40	10/19/20 14:36	83-32-9	
Acenaphthylene	<650	ug/kg	2170	650	10	10/16/20 12:40	10/19/20 14:36	208-96-8	
Anthracene	<291	ug/kg	971	291	10	10/16/20 12:40	10/19/20 14:36	120-12-7	
Benzo(a)anthracene	<282	ug/kg	941	282	10	10/16/20 12:40	10/19/20 14:36	56-55-3	
Benzo(a)pyrene	<274	ug/kg	914	274	10	10/16/20 12:40	10/19/20 14:36	50-32-8	
Benzo(b)fluoranthene	<313	ug/kg	1040	313	10	10/16/20 12:40	10/19/20 14:36	205-99-2	
Benzo(g,h,i)perylene	<477	ug/kg	1590	477	10	10/16/20 12:40	10/19/20 14:36	191-24-2	
Benzo(k)fluoranthene	<436	ug/kg	1450	436	10	10/16/20 12:40	10/19/20 14:36	207-08-9	
Chrysene	<272	ug/kg	908	272	10	10/16/20 12:40	10/19/20 14:36	218-01-9	
Dibenz(a,h)anthracene	<495	ug/kg	1650	495	10	10/16/20 12:40	10/19/20 14:36	53-70-3	
Fluoranthene	277J	ug/kg	859	258	10	10/16/20 12:40	10/19/20 14:36	206-44-0	
Fluorene	<213	ug/kg	710	213	10	10/16/20 12:40	10/19/20 14:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<394	ug/kg	1310	394	10	10/16/20 12:40	10/19/20 14:36	193-39-5	
1-Methylnaphthalene	<519	ug/kg	1730	519	10	10/16/20 12:40	10/19/20 14:36	90-12-0	D3
2-Methylnaphthalene	<473	ug/kg	1580	473	10	10/16/20 12:40	10/19/20 14:36	91-57-6	
Naphthalene	<637	ug/kg	2120	637	10	10/16/20 12:40	10/19/20 14:36	91-20-3	
Pentachlorophenol	<401	ug/kg	1340	401	10	10/16/20 12:40	10/19/20 14:36	87-86-5	
Phenanthrene	<234	ug/kg	779	234	10	10/16/20 12:40	10/19/20 14:36	85-01-8	
Pyrene	<404	ug/kg	1350	404	10	10/16/20 12:40	10/19/20 14:36	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	49	%	17-110		10	10/16/20 12:40	10/19/20 14:36	4165-60-0	
2-Fluorobiphenyl (S)	63	%	45-103		10	10/16/20 12:40	10/19/20 14:36	321-60-8	
Terphenyl-d14 (S)	69	%	46-100		10	10/16/20 12:40	10/19/20 14:36	1718-51-0	
2,4,6-Tribromophenol (S)	64	%	10-153		10	10/16/20 12:40	10/19/20 14:36	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-13 (0.5'-4') Lab ID: 40216442037 Collected: 10/13/20 07:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 01:51	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/16/20 08:15	10/17/20 01:51	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/16/20 08:15	10/17/20 01:51	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/16/20 08:15	10/17/20 01:51	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:51	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/16/20 08:15	10/17/20 01:51	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/16/20 08:15	10/17/20 01:51	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/16/20 08:15	10/17/20 01:51	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/16/20 08:15	10/17/20 01:51	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 01:51	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/16/20 08:15	10/17/20 01:51	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/16/20 08:15	10/17/20 01:51	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/16/20 08:15	10/17/20 01:51	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/16/20 08:15	10/17/20 01:51	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/16/20 08:15	10/17/20 01:51	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/16/20 08:15	10/17/20 01:51	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/16/20 08:15	10/17/20 01:51	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/16/20 08:15	10/17/20 01:51	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/16/20 08:15	10/17/20 01:51	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/16/20 08:15	10/17/20 01:51	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-13 (0.5'-4') Lab ID: 40216442037 Collected: 10/13/20 07:55 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/16/20 08:15	10/17/20 01:51	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/16/20 08:15	10/17/20 01:51	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/16/20 08:15	10/17/20 01:51	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/16/20 08:15	10/17/20 01:51	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/16/20 08:15	10/17/20 01:51	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/16/20 08:15	10/17/20 01:51	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/16/20 08:15	10/17/20 01:51	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	85	%	58-145		1	10/16/20 08:15	10/17/20 01:51	1868-53-7	
Toluene-d8 (S)	90	%	56-140		1	10/16/20 08:15	10/17/20 01:51	2037-26-5	
4-Bromofluorobenzene (S)	81	%	52-137		1	10/16/20 08:15	10/17/20 01:51	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	8.5	%	0.10	0.10	1		10/14/20 08:43		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-13 (8'-12') Lab ID: 40216442038 Collected: 10/13/20 08:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.76	mg/kg	1.9	0.76	1	10/16/20 07:47	10/16/20 18:56	7440-36-0	
Arsenic	<1.4	mg/kg	2.4	1.4	1	10/16/20 07:47	10/16/20 18:56	7440-38-2	
Beryllium	0.18J	mg/kg	0.38	0.11	1	10/16/20 07:47	10/16/20 18:56	7440-41-7	
Cadmium	<0.13	mg/kg	0.48	0.13	1	10/16/20 07:47	10/16/20 18:56	7440-43-9	
Chromium	6.7	mg/kg	0.96	0.27	1	10/16/20 07:47	10/16/20 18:56	7440-47-3	
Copper	8.9	mg/kg	0.96	0.26	1	10/16/20 07:47	10/16/20 18:56	7440-50-8	
Lead	2.0	mg/kg	1.9	0.57	1	10/16/20 07:47	10/16/20 18:56	7439-92-1	
Nickel	6.4	mg/kg	0.96	0.25	1	10/16/20 07:47	10/16/20 18:56	7440-02-0	
Selenium	<1.3	mg/kg	3.8	1.3	1	10/16/20 07:47	10/16/20 18:56	7782-49-2	
Silver	<0.29	mg/kg	0.96	0.29	1	10/16/20 07:47	10/16/20 18:56	7440-22-4	
Thallium	<0.74	mg/kg	3.8	0.74	1	10/16/20 07:47	10/16/20 18:56	7440-28-0	
Zinc	12.1	mg/kg	3.8	1.1	1	10/16/20 07:47	10/16/20 18:56	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0097	mg/kg	0.034	0.0097	1	10/20/20 07:09	10/20/20 10:22	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<248	ug/kg	826	248	4	10/16/20 12:40	10/19/20 17:23	83-32-9	
Acenaphthylene	<249	ug/kg	831	249	4	10/16/20 12:40	10/19/20 17:23	208-96-8	
Anthracene	<112	ug/kg	372	112	4	10/16/20 12:40	10/19/20 17:23	120-12-7	
Benzo(a)anthracene	<108	ug/kg	361	108	4	10/16/20 12:40	10/19/20 17:23	56-55-3	
Benzo(a)pyrene	<105	ug/kg	351	105	4	10/16/20 12:40	10/19/20 17:23	50-32-8	
Benzo(b)fluoranthene	<120	ug/kg	400	120	4	10/16/20 12:40	10/19/20 17:23	205-99-2	
Benzo(g,h,i)perylene	<183	ug/kg	609	183	4	10/16/20 12:40	10/19/20 17:23	191-24-2	
Benzo(k)fluoranthene	<167	ug/kg	558	167	4	10/16/20 12:40	10/19/20 17:23	207-08-9	
Chrysene	<105	ug/kg	348	105	4	10/16/20 12:40	10/19/20 17:23	218-01-9	
Dibenz(a,h)anthracene	<190	ug/kg	633	190	4	10/16/20 12:40	10/19/20 17:23	53-70-3	
Fluoranthene	<98.9	ug/kg	330	98.9	4	10/16/20 12:40	10/19/20 17:23	206-44-0	
Fluorene	<81.7	ug/kg	272	81.7	4	10/16/20 12:40	10/19/20 17:23	86-73-7	
Indeno(1,2,3-cd)pyrene	<151	ug/kg	504	151	4	10/16/20 12:40	10/19/20 17:23	193-39-5	
1-Methylnaphthalene	<199	ug/kg	663	199	4	10/16/20 12:40	10/19/20 17:23	90-12-0	D3
2-Methylnaphthalene	<181	ug/kg	605	181	4	10/16/20 12:40	10/19/20 17:23	91-57-6	
Naphthalene	<244	ug/kg	815	244	4	10/16/20 12:40	10/19/20 17:23	91-20-3	
Pentachlorophenol	<154	ug/kg	513	154	4	10/16/20 12:40	10/19/20 17:23	87-86-5	
Phenanthrene	<89.7	ug/kg	299	89.7	4	10/16/20 12:40	10/19/20 17:23	85-01-8	
Pyrene	<155	ug/kg	516	155	4	10/16/20 12:40	10/19/20 17:23	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	47	%	17-110		4	10/16/20 12:40	10/19/20 17:23	4165-60-0	
2-Fluorobiphenyl (S)	70	%	45-103		4	10/16/20 12:40	10/19/20 17:23	321-60-8	
Terphenyl-d14 (S)	70	%	46-100		4	10/16/20 12:40	10/19/20 17:23	1718-51-0	
2,4,6-Tribromophenol (S)	68	%	10-153		4	10/16/20 12:40	10/19/20 17:23	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-13 (8'-12') Lab ID: 40216442038 Collected: 10/13/20 08:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 01:01	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 01:01	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 01:01	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 01:01	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:01	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 01:01	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 01:01	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 01:01	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 01:01	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 01:01	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 01:01	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 01:01	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 01:01	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 01:01	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 01:01	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 01:01	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 01:01	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:01	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 01:01	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 01:01	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SB-13 (8'-12') Lab ID: 40216442038 Collected: 10/13/20 08:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 01:01	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 01:01	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 01:01	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 01:01	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 01:01	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 01:01	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:01	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	10/19/20 08:00	10/20/20 01:01	1868-53-7	
Toluene-d8 (S)	116	%	56-140		1	10/19/20 08:00	10/20/20 01:01	2037-26-5	
4-Bromofluorobenzene (S)	104	%	52-137		1	10/19/20 08:00	10/20/20 01:01	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	4.5	%	0.10	0.10	1		10/14/20 08:44		
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-1 (3'-7') Lab ID: 40216442039 Collected: 10/12/20 07:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.79	mg/kg	2.0	0.79	1	10/16/20 07:47	10/16/20 18:58	7440-36-0	
Arsenic	<1.4	mg/kg	2.5	1.4	1	10/16/20 07:47	10/16/20 18:58	7440-38-2	
Beryllium	0.38J	mg/kg	0.39	0.12	1	10/16/20 07:47	10/16/20 18:58	7440-41-7	
Cadmium	<0.13	mg/kg	0.49	0.13	1	10/16/20 07:47	10/16/20 18:58	7440-43-9	
Chromium	6.1	mg/kg	0.99	0.27	1	10/16/20 07:47	10/16/20 18:58	7440-47-3	
Copper	2.2	mg/kg	0.99	0.27	1	10/16/20 07:47	10/16/20 18:58	7440-50-8	
Lead	12.4	mg/kg	2.0	0.59	1	10/16/20 07:47	10/16/20 18:58	7439-92-1	
Nickel	1.9	mg/kg	0.99	0.26	1	10/16/20 07:47	10/16/20 18:58	7440-02-0	
Selenium	<1.3	mg/kg	3.9	1.3	1	10/16/20 07:47	10/16/20 18:58	7782-49-2	
Silver	<0.30	mg/kg	0.99	0.30	1	10/16/20 07:47	10/16/20 18:58	7440-22-4	
Thallium	1.4J	mg/kg	3.9	0.76	1	10/16/20 07:47	10/16/20 18:58	7440-28-0	
Zinc	39.8	mg/kg	3.9	1.2	1	10/16/20 07:47	10/16/20 18:58	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0096	mg/kg	0.034	0.0096	1	10/20/20 07:09	10/20/20 10:24	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<61.9	ug/kg	206	61.9	1	10/22/20 10:20	10/22/20 14:24	83-32-9	
Acenaphthylene	<62.2	ug/kg	207	62.2	1	10/22/20 10:20	10/22/20 14:24	208-96-8	
Anthracene	<27.9	ug/kg	92.9	27.9	1	10/22/20 10:20	10/22/20 14:24	120-12-7	
Benzo(a)anthracene	<27.0	ug/kg	90.0	27.0	1	10/22/20 10:20	10/22/20 14:24	56-55-3	
Benzo(a)pyrene	<26.2	ug/kg	87.5	26.2	1	10/22/20 10:20	10/22/20 14:24	50-32-8	
Benzo(b)fluoranthene	<30.0	ug/kg	99.9	30.0	1	10/22/20 10:20	10/22/20 14:24	205-99-2	
Benzo(g,h,i)perylene	<45.6	ug/kg	152	45.6	1	10/22/20 10:20	10/22/20 14:24	191-24-2	
Benzo(k)fluoranthene	<41.8	ug/kg	139	41.8	1	10/22/20 10:20	10/22/20 14:24	207-08-9	
Chrysene	<26.1	ug/kg	86.9	26.1	1	10/22/20 10:20	10/22/20 14:24	218-01-9	
Dibenz(a,h)anthracene	<47.4	ug/kg	158	47.4	1	10/22/20 10:20	10/22/20 14:24	53-70-3	
Fluoranthene	<24.7	ug/kg	82.3	24.7	1	10/22/20 10:20	10/22/20 14:24	206-44-0	
Fluorene	<20.4	ug/kg	68.0	20.4	1	10/22/20 10:20	10/22/20 14:24	86-73-7	
Indeno(1,2,3-cd)pyrene	<37.7	ug/kg	126	37.7	1	10/22/20 10:20	10/22/20 14:24	193-39-5	
1-Methylnaphthalene	<49.7	ug/kg	166	49.7	1	10/22/20 10:20	10/22/20 14:24	90-12-0	
2-Methylnaphthalene	<45.3	ug/kg	151	45.3	1	10/22/20 10:20	10/22/20 14:24	91-57-6	
Naphthalene	<61.0	ug/kg	203	61.0	1	10/22/20 10:20	10/22/20 14:24	91-20-3	
Pentachlorophenol	<38.4	ug/kg	128	38.4	1	10/22/20 10:20	10/22/20 14:24	87-86-5	
Phenanthrene	<22.4	ug/kg	74.6	22.4	1	10/22/20 10:20	10/22/20 14:24	85-01-8	
Pyrene	<38.7	ug/kg	129	38.7	1	10/22/20 10:20	10/22/20 14:24	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	31	%	17-110		1	10/22/20 10:20	10/22/20 14:24	4165-60-0	
2-Fluorobiphenyl (S)	42	%	45-103		1	10/22/20 10:20	10/22/20 14:24	321-60-8	S0
Terphenyl-d14 (S)	53	%	46-100		1	10/22/20 10:20	10/22/20 14:24	1718-51-0	
2,4,6-Tribromophenol (S)	44	%	10-153		1	10/22/20 10:20	10/22/20 14:24	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-1 (3'-7') Lab ID: 40216442039 Collected: 10/12/20 07:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 01:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 01:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 01:28	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 01:28	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 01:28	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 01:28	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 01:28	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 01:28	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 01:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 01:28	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 01:28	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 01:28	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 01:28	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 01:28	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 01:28	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 01:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:28	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 01:28	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 01:28	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-1 (3'-7') Lab ID: 40216442039 Collected: 10/12/20 07:45 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 01:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 01:28	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 01:28	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 01:28	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 01:28	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 01:28	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:28	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	58-145		1	10/19/20 08:00	10/20/20 01:28	1868-53-7	
Toluene-d8 (S)	120	%	56-140		1	10/19/20 08:00	10/20/20 01:28	2037-26-5	
4-Bromofluorobenzene (S)	108	%	52-137		1	10/19/20 08:00	10/20/20 01:28	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	4.2	%	0.10	0.10	1		10/14/20 08:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-1 (11'-15') Lab ID: 40216442040 Collected: 10/12/20 08:05 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.96	mg/kg	2.4	0.96	1	10/16/20 07:47	10/16/20 19:00	7440-36-0	
Arsenic	<1.8	mg/kg	3.0	1.8	1	10/16/20 07:47	10/16/20 19:00	7440-38-2	
Beryllium	0.39J	mg/kg	0.48	0.14	1	10/16/20 07:47	10/16/20 19:00	7440-41-7	
Cadmium	0.46J	mg/kg	0.60	0.16	1	10/16/20 07:47	10/16/20 19:00	7440-43-9	
Chromium	15.0	mg/kg	1.2	0.33	1	10/16/20 07:47	10/16/20 19:00	7440-47-3	
Copper	15.1	mg/kg	1.2	0.33	1	10/16/20 07:47	10/16/20 19:00	7440-50-8	
Lead	20.7	mg/kg	2.4	0.72	1	10/16/20 07:47	10/16/20 19:00	7439-92-1	
Nickel	10.8	mg/kg	1.2	0.32	1	10/16/20 07:47	10/16/20 19:00	7440-02-0	
Selenium	<1.6	mg/kg	4.8	1.6	1	10/16/20 07:47	10/16/20 19:00	7782-49-2	
Silver	<0.37	mg/kg	1.2	0.37	1	10/16/20 07:47	10/16/20 19:00	7440-22-4	
Thallium	<0.93	mg/kg	4.8	0.93	1	10/16/20 07:47	10/16/20 19:00	7440-28-0	
Zinc	76.6	mg/kg	4.8	1.4	1	10/16/20 07:47	10/16/20 19:00	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	0.050	mg/kg	0.039	0.011	1	10/20/20 07:09	10/20/20 10:26	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<747	ug/kg	2490	747	10	10/16/20 12:40	10/19/20 14:57	83-32-9	
Acenaphthylene	<751	ug/kg	2500	751	10	10/16/20 12:40	10/19/20 14:57	208-96-8	
Anthracene	<337	ug/kg	1120	337	10	10/16/20 12:40	10/19/20 14:57	120-12-7	
Benzo(a)anthracene	<326	ug/kg	1090	326	10	10/16/20 12:40	10/19/20 14:57	56-55-3	
Benzo(a)pyrene	<317	ug/kg	1060	317	10	10/16/20 12:40	10/19/20 14:57	50-32-8	
Benzo(b)fluoranthene	<362	ug/kg	1210	362	10	10/16/20 12:40	10/19/20 14:57	205-99-2	
Benzo(g,h,i)perylene	<551	ug/kg	1840	551	10	10/16/20 12:40	10/19/20 14:57	191-24-2	
Benzo(k)fluoranthene	<504	ug/kg	1680	504	10	10/16/20 12:40	10/19/20 14:57	207-08-9	
Chrysene	<315	ug/kg	1050	315	10	10/16/20 12:40	10/19/20 14:57	218-01-9	
Dibenz(a,h)anthracene	<572	ug/kg	1910	572	10	10/16/20 12:40	10/19/20 14:57	53-70-3	
Fluoranthene	<298	ug/kg	993	298	10	10/16/20 12:40	10/19/20 14:57	206-44-0	
Fluorene	<246	ug/kg	820	246	10	10/16/20 12:40	10/19/20 14:57	86-73-7	
Indeno(1,2,3-cd)pyrene	<456	ug/kg	1520	456	10	10/16/20 12:40	10/19/20 14:57	193-39-5	
1-Methylnaphthalene	<600	ug/kg	2000	600	10	10/16/20 12:40	10/19/20 14:57	90-12-0	D3
2-Methylnaphthalene	<547	ug/kg	1820	547	10	10/16/20 12:40	10/19/20 14:57	91-57-6	
Naphthalene	<736	ug/kg	2450	736	10	10/16/20 12:40	10/19/20 14:57	91-20-3	
Pentachlorophenol	<464	ug/kg	1550	464	10	10/16/20 12:40	10/19/20 14:57	87-86-5	
Phenanthrene	<270	ug/kg	901	270	10	10/16/20 12:40	10/19/20 14:57	85-01-8	
Pyrene	<467	ug/kg	1560	467	10	10/16/20 12:40	10/19/20 14:57	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	17-110		10	10/16/20 12:40	10/19/20 14:57	4165-60-0	
2-Fluorobiphenyl (S)	69	%	45-103		10	10/16/20 12:40	10/19/20 14:57	321-60-8	
Terphenyl-d14 (S)	74	%	46-100		10	10/16/20 12:40	10/19/20 14:57	1718-51-0	
2,4,6-Tribromophenol (S)	74	%	10-153		10	10/16/20 12:40	10/19/20 14:57	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-1 (11'-15') Lab ID: 40216442040 Collected: 10/12/20 08:05 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 01:55	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 01:55	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 01:55	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 01:55	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:55	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 01:55	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 01:55	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 01:55	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 01:55	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 01:55	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 01:55	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 01:55	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 01:55	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 01:55	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 01:55	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 01:55	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 01:55	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 01:55	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 01:55	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 01:55	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-1 (11'-15') Lab ID: 40216442040 Collected: 10/12/20 08:05 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 01:55	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 01:55	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 01:55	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 01:55	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 01:55	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 01:55	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 01:55	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	58-145		1	10/19/20 08:00	10/20/20 01:55	1868-53-7	
Toluene-d8 (S)	117	%	56-140		1	10/19/20 08:00	10/20/20 01:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	52-137		1	10/19/20 08:00	10/20/20 01:55	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	20.7	%	0.10	0.10	1		10/14/20 08:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-2 (0.5'-4') Lab ID: 40216442041 Collected: 10/12/20 09:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.94	mg/kg	2.4	0.94	1	10/16/20 07:19	10/19/20 14:11	7440-36-0	
Arsenic	<1.7	mg/kg	3.0	1.7	1	10/16/20 07:19	10/19/20 14:11	7440-38-2	
Beryllium	0.46J	mg/kg	0.47	0.14	1	10/16/20 07:19	10/19/20 14:11	7440-41-7	
Cadmium	<0.16	mg/kg	0.59	0.16	1	10/16/20 07:19	10/19/20 14:11	7440-43-9	
Chromium	13.7	mg/kg	1.2	0.33	1	10/16/20 07:19	10/19/20 14:11	7440-47-3	
Copper	12.4	mg/kg	1.2	0.33	1	10/16/20 07:19	10/19/20 14:11	7440-50-8	
Lead	9.0	mg/kg	2.4	0.71	1	10/16/20 07:19	10/19/20 14:11	7439-92-1	
Nickel	14.4	mg/kg	1.2	0.31	1	10/16/20 07:19	10/19/20 14:11	7440-02-0	
Selenium	<1.6	mg/kg	4.7	1.6	1	10/16/20 07:19	10/19/20 14:11	7782-49-2	
Silver	<0.36	mg/kg	1.2	0.36	1	10/16/20 07:19	10/19/20 14:11	7440-22-4	
Thallium	<0.92	mg/kg	4.7	0.92	1	10/16/20 07:19	10/19/20 14:11	7440-28-0	
Zinc	34.5	mg/kg	4.7	1.4	1	10/16/20 07:19	10/19/20 14:11	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.039	0.011	1	10/20/20 07:09	10/20/20 10:29	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<280	ug/kg	934	280	4	10/16/20 12:40	10/19/20 17:44	83-32-9	
Acenaphthylene	<282	ug/kg	940	282	4	10/16/20 12:40	10/19/20 17:44	208-96-8	
Anthracene	<126	ug/kg	421	126	4	10/16/20 12:40	10/19/20 17:44	120-12-7	
Benzo(a)anthracene	<122	ug/kg	408	122	4	10/16/20 12:40	10/19/20 17:44	56-55-3	
Benzo(a)pyrene	<119	ug/kg	396	119	4	10/16/20 12:40	10/19/20 17:44	50-32-8	
Benzo(b)fluoranthene	<136	ug/kg	453	136	4	10/16/20 12:40	10/19/20 17:44	205-99-2	
Benzo(g,h,i)perylene	<207	ug/kg	689	207	4	10/16/20 12:40	10/19/20 17:44	191-24-2	
Benzo(k)fluoranthene	<189	ug/kg	631	189	4	10/16/20 12:40	10/19/20 17:44	207-08-9	
Chrysene	<118	ug/kg	394	118	4	10/16/20 12:40	10/19/20 17:44	218-01-9	
Dibenz(a,h)anthracene	<215	ug/kg	716	215	4	10/16/20 12:40	10/19/20 17:44	53-70-3	
Fluoranthene	123J	ug/kg	373	112	4	10/16/20 12:40	10/19/20 17:44	206-44-0	
Fluorene	<92.4	ug/kg	308	92.4	4	10/16/20 12:40	10/19/20 17:44	86-73-7	
Indeno(1,2,3-cd)pyrene	<171	ug/kg	570	171	4	10/16/20 12:40	10/19/20 17:44	193-39-5	
1-Methylnaphthalene	<225	ug/kg	750	225	4	10/16/20 12:40	10/19/20 17:44	90-12-0	D3
2-Methylnaphthalene	<205	ug/kg	684	205	4	10/16/20 12:40	10/19/20 17:44	91-57-6	
Naphthalene	<276	ug/kg	921	276	4	10/16/20 12:40	10/19/20 17:44	91-20-3	
Pentachlorophenol	<174	ug/kg	580	174	4	10/16/20 12:40	10/19/20 17:44	87-86-5	
Phenanthrene	<101	ug/kg	338	101	4	10/16/20 12:40	10/19/20 17:44	85-01-8	
Pyrene	<175	ug/kg	584	175	4	10/16/20 12:40	10/19/20 17:44	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	50	%	17-110		4	10/16/20 12:40	10/19/20 17:44	4165-60-0	
2-Fluorobiphenyl (S)	65	%	45-103		4	10/16/20 12:40	10/19/20 17:44	321-60-8	
Terphenyl-d14 (S)	69	%	46-100		4	10/16/20 12:40	10/19/20 17:44	1718-51-0	
2,4,6-Tribromophenol (S)	71	%	10-153		4	10/16/20 12:40	10/19/20 17:44	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-2 (0.5'-4') Lab ID: 40216442041 Collected: 10/12/20 09:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 13:49	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 13:49	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 13:49	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 13:49	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:49	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 13:49	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 13:49	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 13:49	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 13:49	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 13:49	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 13:49	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 13:49	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 13:49	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 13:49	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 13:49	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 13:49	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 13:49	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:49	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 13:49	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 13:49	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-2 (0.5'-4') Lab ID: 40216442041 Collected: 10/12/20 09:00 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 13:49	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 13:49	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 13:49	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 13:49	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 13:49	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 13:49	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:49	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	93	%	58-145		1	10/19/20 08:00	10/20/20 13:49	1868-53-7	
Toluene-d8 (S)	116	%	56-140		1	10/19/20 08:00	10/20/20 13:49	2037-26-5	
4-Bromofluorobenzene (S)	104	%	52-137		1	10/19/20 08:00	10/20/20 13:49	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	15.6	%	0.10	0.10	1		10/14/20 08:44		
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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-2 (12'-16') Lab ID: 40216442042 Collected: 10/12/20 09:05 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.83	mg/kg	2.1	0.83	1	10/16/20 07:19	10/19/20 13:56	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:19	10/19/20 13:56	7440-38-2	
Beryllium	0.25J	mg/kg	0.42	0.12	1	10/16/20 07:19	10/19/20 13:56	7440-41-7	
Cadmium	<0.14	mg/kg	0.52	0.14	1	10/16/20 07:19	10/19/20 13:56	7440-43-9	
Chromium	15.4	mg/kg	1.0	0.29	1	10/16/20 07:19	10/19/20 13:56	7440-47-3	
Copper	21.2	mg/kg	1.0	0.29	1	10/16/20 07:19	10/19/20 13:56	7440-50-8	
Lead	2.7	mg/kg	2.1	0.62	1	10/16/20 07:19	10/19/20 13:56	7439-92-1	
Nickel	10.7	mg/kg	1.0	0.28	1	10/16/20 07:19	10/19/20 13:56	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:19	10/19/20 13:56	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/16/20 07:19	10/19/20 13:56	7440-22-4	
Thallium	<0.81	mg/kg	4.2	0.81	1	10/16/20 07:19	10/19/20 13:56	7440-28-0	
Zinc	13.5	mg/kg	4.2	1.2	1	10/16/20 07:19	10/19/20 13:56	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0093	mg/kg	0.033	0.0093	1	10/20/20 07:09	10/20/20 10:31	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<247	ug/kg	822	247	4	10/16/20 12:40	10/19/20 18:05	83-32-9	
Acenaphthylene	<248	ug/kg	827	248	4	10/16/20 12:40	10/19/20 18:05	208-96-8	
Anthracene	<111	ug/kg	370	111	4	10/16/20 12:40	10/19/20 18:05	120-12-7	
Benzo(a)anthracene	<108	ug/kg	359	108	4	10/16/20 12:40	10/19/20 18:05	56-55-3	
Benzo(a)pyrene	<105	ug/kg	349	105	4	10/16/20 12:40	10/19/20 18:05	50-32-8	
Benzo(b)fluoranthene	<119	ug/kg	398	119	4	10/16/20 12:40	10/19/20 18:05	205-99-2	
Benzo(g,h,i)perylene	<182	ug/kg	606	182	4	10/16/20 12:40	10/19/20 18:05	191-24-2	
Benzo(k)fluoranthene	<166	ug/kg	555	166	4	10/16/20 12:40	10/19/20 18:05	207-08-9	
Chrysene	<104	ug/kg	347	104	4	10/16/20 12:40	10/19/20 18:05	218-01-9	
Dibenz(a,h)anthracene	<189	ug/kg	630	189	4	10/16/20 12:40	10/19/20 18:05	53-70-3	
Fluoranthene	<98.4	ug/kg	328	98.4	4	10/16/20 12:40	10/19/20 18:05	206-44-0	
Fluorene	<81.3	ug/kg	271	81.3	4	10/16/20 12:40	10/19/20 18:05	86-73-7	
Indeno(1,2,3-cd)pyrene	<150	ug/kg	501	150	4	10/16/20 12:40	10/19/20 18:05	193-39-5	
1-Methylnaphthalene	<198	ug/kg	660	198	4	10/16/20 12:40	10/19/20 18:05	90-12-0	D3
2-Methylnaphthalene	<181	ug/kg	602	181	4	10/16/20 12:40	10/19/20 18:05	91-57-6	
Naphthalene	<243	ug/kg	810	243	4	10/16/20 12:40	10/19/20 18:05	91-20-3	
Pentachlorophenol	<153	ug/kg	510	153	4	10/16/20 12:40	10/19/20 18:05	87-86-5	
Phenanthrene	<89.2	ug/kg	297	89.2	4	10/16/20 12:40	10/19/20 18:05	85-01-8	
Pyrene	<154	ug/kg	514	154	4	10/16/20 12:40	10/19/20 18:05	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	52	%	17-110		4	10/16/20 12:40	10/19/20 18:05	4165-60-0	
2-Fluorobiphenyl (S)	72	%	45-103		4	10/16/20 12:40	10/19/20 18:05	321-60-8	
Terphenyl-d14 (S)	80	%	46-100		4	10/16/20 12:40	10/19/20 18:05	1718-51-0	
2,4,6-Tribromophenol (S)	79	%	10-153		4	10/16/20 12:40	10/19/20 18:05	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-2 (12'-16') Lab ID: 40216442042 Collected: 10/12/20 09:05 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 16:26	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 16:26	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 16:26	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 16:26	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 16:26	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 16:26	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 16:26	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 16:26	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 16:26	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 16:26	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 16:26	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 16:26	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 16:26	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 16:26	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 16:26	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 16:26	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 16:26	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 16:26	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 16:26	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 16:26	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	103-65-1	W

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-2 (12'-16') Lab ID: 40216442042 Collected: 10/12/20 09:05 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 16:26	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 16:26	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 16:26	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 16:26	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 16:26	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 16:26	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 16:26	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	94	%	58-145		1	10/19/20 08:00	10/20/20 16:26	1868-53-7	
Toluene-d8 (S)	113	%	56-140		1	10/19/20 08:00	10/20/20 16:26	2037-26-5	
4-Bromofluorobenzene (S)	107	%	52-137		1	10/19/20 08:00	10/20/20 16:26	460-00-4	
Percent Moisture Analytical Method: ASTM D2974-87 Pace Analytical Services - Green Bay									
Percent Moisture	4.0	%	0.10	0.10	1		10/14/20 08:44		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-3 (0'-4') Lab ID: 40216442043 Collected: 10/12/20 10:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<4.7	mg/kg	11.8	4.7	5	10/16/20 07:19	10/19/20 14:15	7440-36-0	D3
Arsenic	<8.7	mg/kg	14.8	8.7	5	10/16/20 07:19	10/19/20 14:15	7440-38-2	D3
Beryllium	0.86J	mg/kg	2.4	0.70	5	10/16/20 07:19	10/19/20 14:15	7440-41-7	D3
Cadmium	<0.79	mg/kg	3.0	0.79	5	10/16/20 07:19	10/19/20 14:15	7440-43-9	D3
Chromium	8.8	mg/kg	5.9	1.6	5	10/16/20 07:19	10/19/20 14:15	7440-47-3	
Copper	6.4	mg/kg	5.9	1.6	5	10/16/20 07:19	10/19/20 14:15	7440-50-8	
Lead	15.1	mg/kg	11.8	3.5	5	10/16/20 07:19	10/19/20 14:15	7439-92-1	
Nickel	5.6J	mg/kg	5.9	1.6	5	10/16/20 07:19	10/19/20 14:15	7440-02-0	D3
Selenium	<7.7	mg/kg	23.6	7.7	5	10/16/20 07:19	10/19/20 14:15	7782-49-2	D3
Silver	<1.8	mg/kg	5.9	1.8	5	10/16/20 07:19	10/19/20 14:15	7440-22-4	D3
Thallium	<4.6	mg/kg	23.6	4.6	5	10/16/20 07:19	10/19/20 14:15	7440-28-0	D3
Zinc	78.5	mg/kg	23.6	7.1	5	10/16/20 07:19	10/19/20 14:15	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.011	mg/kg	0.038	0.011	1	10/20/20 07:09	10/20/20 10:33	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<71.8	ug/kg	239	71.8	1	10/19/20 12:59	10/20/20 14:30	83-32-9	
Acenaphthylene	<72.2	ug/kg	241	72.2	1	10/19/20 12:59	10/20/20 14:30	208-96-8	
Anthracene	<32.3	ug/kg	108	32.3	1	10/19/20 12:59	10/20/20 14:30	120-12-7	
Benzo(a)anthracene	<31.3	ug/kg	104	31.3	1	10/19/20 12:59	10/20/20 14:30	56-55-3	
Benzo(a)pyrene	<30.4	ug/kg	101	30.4	1	10/19/20 12:59	10/20/20 14:30	50-32-8	
Benzo(b)fluoranthene	<34.8	ug/kg	116	34.8	1	10/19/20 12:59	10/20/20 14:30	205-99-2	
Benzo(g,h,i)perylene	<52.9	ug/kg	176	52.9	1	10/19/20 12:59	10/20/20 14:30	191-24-2	
Benzo(k)fluoranthene	<48.5	ug/kg	162	48.5	1	10/19/20 12:59	10/20/20 14:30	207-08-9	
Chrysene	<30.3	ug/kg	101	30.3	1	10/19/20 12:59	10/20/20 14:30	218-01-9	
Dibenz(a,h)anthracene	<55.0	ug/kg	183	55.0	1	10/19/20 12:59	10/20/20 14:30	53-70-3	
Fluoranthene	<28.6	ug/kg	95.5	28.6	1	10/19/20 12:59	10/20/20 14:30	206-44-0	
Fluorene	<23.7	ug/kg	78.8	23.7	1	10/19/20 12:59	10/20/20 14:30	86-73-7	
Indeno(1,2,3-cd)pyrene	<43.8	ug/kg	146	43.8	1	10/19/20 12:59	10/20/20 14:30	193-39-5	
1-Methylnaphthalene	<57.6	ug/kg	192	57.6	1	10/19/20 12:59	10/20/20 14:30	90-12-0	
2-Methylnaphthalene	<52.5	ug/kg	175	52.5	1	10/19/20 12:59	10/20/20 14:30	91-57-6	
Naphthalene	<70.8	ug/kg	236	70.8	1	10/19/20 12:59	10/20/20 14:30	91-20-3	
Pentachlorophenol	<44.6	ug/kg	149	44.6	1	10/19/20 12:59	10/20/20 14:30	87-86-5	
Phenanthrene	<26.0	ug/kg	86.5	26.0	1	10/19/20 12:59	10/20/20 14:30	85-01-8	
Pyrene	<44.9	ug/kg	150	44.9	1	10/19/20 12:59	10/20/20 14:30	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	69	%	17-110		1	10/19/20 12:59	10/20/20 14:30	4165-60-0	
2-Fluorobiphenyl (S)	75	%	45-103		1	10/19/20 12:59	10/20/20 14:30	321-60-8	
Terphenyl-d14 (S)	84	%	46-100		1	10/19/20 12:59	10/20/20 14:30	1718-51-0	
2,4,6-Tribromophenol (S)	83	%	10-153		1	10/19/20 12:59	10/20/20 14:30	118-79-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-3 (0'-4') Lab ID: 40216442043 Collected: 10/12/20 10:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 14:23	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 14:23	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 14:23	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 14:23	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 14:23	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 14:23	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 14:23	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 14:23	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 14:23	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 14:23	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 14:23	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 14:23	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 14:23	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 14:23	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 14:23	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 14:23	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 14:23	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 14:23	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 14:23	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 14:23	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-3 (0'-4') Lab ID: 40216442043 Collected: 10/12/20 10:35 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 14:23	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 14:23	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 14:23	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 14:23	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 14:23	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 14:23	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 14:23	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	58-145		1	10/19/20 08:00	10/20/20 14:23	1868-53-7	
Toluene-d8 (S)	111	%	56-140		1	10/19/20 08:00	10/20/20 14:23	2037-26-5	
4-Bromofluorobenzene (S)	101	%	52-137		1	10/19/20 08:00	10/20/20 14:23	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	17.4	%	0.10	0.10	1	10/14/20 08:44
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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-3 (8'-12') Lab ID: 40216442044 Collected: 10/12/20 10:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP									
Analytical Method: EPA 6010 Preparation Method: EPA 3050									
Pace Analytical Services - Green Bay									
Antimony	<0.83	mg/kg	2.1	0.83	1	10/16/20 07:19	10/19/20 14:18	7440-36-0	
Arsenic	<1.5	mg/kg	2.6	1.5	1	10/16/20 07:19	10/19/20 14:18	7440-38-2	
Beryllium	0.33J	mg/kg	0.42	0.12	1	10/16/20 07:19	10/19/20 14:18	7440-41-7	
Cadmium	<0.14	mg/kg	0.52	0.14	1	10/16/20 07:19	10/19/20 14:18	7440-43-9	
Chromium	19.3	mg/kg	1.0	0.29	1	10/16/20 07:19	10/19/20 14:18	7440-47-3	
Copper	23.0	mg/kg	1.0	0.29	1	10/16/20 07:19	10/19/20 14:18	7440-50-8	
Lead	3.2	mg/kg	2.1	0.62	1	10/16/20 07:19	10/19/20 14:18	7439-92-1	
Nickel	24.2	mg/kg	1.0	0.28	1	10/16/20 07:19	10/19/20 14:18	7440-02-0	
Selenium	<1.4	mg/kg	4.2	1.4	1	10/16/20 07:19	10/19/20 14:18	7782-49-2	
Silver	<0.32	mg/kg	1.0	0.32	1	10/16/20 07:19	10/19/20 14:18	7440-22-4	
Thallium	<0.81	mg/kg	4.2	0.81	1	10/16/20 07:19	10/19/20 14:18	7440-28-0	
Zinc	24.0	mg/kg	4.2	1.2	1	10/16/20 07:19	10/19/20 14:18	7440-66-6	
7471 Mercury									
Analytical Method: EPA 7471 Preparation Method: EPA 7471									
Pace Analytical Services - Green Bay									
Mercury	<0.0096	mg/kg	0.034	0.0096	1	10/20/20 07:09	10/20/20 10:36	7439-97-6	
8270 MSSV FULL LIST MICROWAVE									
Analytical Method: EPA 8270 Preparation Method: EPA 3546									
Pace Analytical Services - Green Bay									
Acenaphthene	<63.6	ug/kg	212	63.6	1	10/19/20 12:59	10/20/20 15:08	83-32-9	
Acenaphthylene	<64.0	ug/kg	213	64.0	1	10/19/20 12:59	10/20/20 15:08	208-96-8	
Anthracene	<28.7	ug/kg	95.5	28.7	1	10/19/20 12:59	10/20/20 15:08	120-12-7	
Benzo(a)anthracene	<27.8	ug/kg	92.6	27.8	1	10/19/20 12:59	10/20/20 15:08	56-55-3	
Benzo(a)pyrene	<27.0	ug/kg	89.9	27.0	1	10/19/20 12:59	10/20/20 15:08	50-32-8	
Benzo(b)fluoranthene	<30.8	ug/kg	103	30.8	1	10/19/20 12:59	10/20/20 15:08	205-99-2	
Benzo(g,h,i)perylene	<46.9	ug/kg	156	46.9	1	10/19/20 12:59	10/20/20 15:08	191-24-2	
Benzo(k)fluoranthene	<42.9	ug/kg	143	42.9	1	10/19/20 12:59	10/20/20 15:08	207-08-9	
Chrysene	<26.8	ug/kg	89.4	26.8	1	10/19/20 12:59	10/20/20 15:08	218-01-9	
Dibenz(a,h)anthracene	<48.7	ug/kg	162	48.7	1	10/19/20 12:59	10/20/20 15:08	53-70-3	
Fluoranthene	<25.4	ug/kg	84.6	25.4	1	10/19/20 12:59	10/20/20 15:08	206-44-0	
Fluorene	<21.0	ug/kg	69.9	21.0	1	10/19/20 12:59	10/20/20 15:08	86-73-7	
Indeno(1,2,3-cd)pyrene	<38.8	ug/kg	129	38.8	1	10/19/20 12:59	10/20/20 15:08	193-39-5	
1-Methylnaphthalene	<51.1	ug/kg	170	51.1	1	10/19/20 12:59	10/20/20 15:08	90-12-0	
2-Methylnaphthalene	<46.6	ug/kg	155	46.6	1	10/19/20 12:59	10/20/20 15:08	91-57-6	
Naphthalene	<62.7	ug/kg	209	62.7	1	10/19/20 12:59	10/20/20 15:08	91-20-3	
Pentachlorophenol	<39.5	ug/kg	132	39.5	1	10/19/20 12:59	10/20/20 15:08	87-86-5	
Phenanthrene	<23.0	ug/kg	76.7	23.0	1	10/19/20 12:59	10/20/20 15:08	85-01-8	
Pyrene	<39.7	ug/kg	132	39.7	1	10/19/20 12:59	10/20/20 15:08	129-00-0	
Surrogates									
Nitrobenzene-d5 (S)	64	%	17-110		1	10/19/20 12:59	10/20/20 15:08	4165-60-0	
2-Fluorobiphenyl (S)	80	%	45-103		1	10/19/20 12:59	10/20/20 15:08	321-60-8	
Terphenyl-d14 (S)	87	%	46-100		1	10/19/20 12:59	10/20/20 15:08	1718-51-0	
2,4,6-Tribromophenol (S)	84	%	10-153		1	10/19/20 12:59	10/20/20 15:08	118-79-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-3 (8'-12') Lab ID: 40216442044 Collected: 10/12/20 10:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Benzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 13:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	70.0	25.0	1	10/19/20 08:00	10/20/20 13:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-27-4	W
Bromoform	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-25-2	W
Bromomethane	<63.8	ug/kg	250	63.8	1	10/19/20 08:00	10/20/20 13:22	74-83-9	W
n-Butylbenzene	<30.0	ug/kg	100	30.0	1	10/19/20 08:00	10/20/20 13:22	104-51-8	W
sec-Butylbenzene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	62.0	25.0	1	10/19/20 08:00	10/20/20 13:22	98-06-6	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	108-90-7	W
Chloroethane	<46.4	ug/kg	250	46.4	1	10/19/20 08:00	10/20/20 13:22	75-00-3	W
Chloroform	<47.5	ug/kg	250	47.5	1	10/19/20 08:00	10/20/20 13:22	67-66-3	W
Chloromethane	<25.0	ug/kg	80.0	25.0	1	10/19/20 08:00	10/20/20 13:22	74-87-3	W
2-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 13:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	64.0	25.0	1	10/19/20 08:00	10/20/20 13:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<237	ug/kg	789	237	1	10/19/20 08:00	10/20/20 13:22	96-12-8	W
Dibromochloromethane	<229	ug/kg	763	229	1	10/19/20 08:00	10/20/20 13:22	124-48-1	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	106-93-4	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	74-95-3	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	95-50-1	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	541-73-1	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	106-46-7	W
Dichlorodifluoromethane	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-71-8	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-34-3	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	107-06-2	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-35-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	156-59-2	W
trans-1,2-Dichloroethene	<25.0	ug/kg	67.0	25.0	1	10/19/20 08:00	10/20/20 13:22	156-60-5	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	78-87-5	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	142-28-9	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	594-20-7	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	563-58-6	W
cis-1,3-Dichloropropene	<42.3	ug/kg	141	42.3	1	10/19/20 08:00	10/20/20 13:22	10061-01-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	74.0	25.0	1	10/19/20 08:00	10/20/20 13:22	10061-02-6	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	100-41-4	W
Hexachloro-1,3-butadiene	<68.7	ug/kg	229	68.7	1	10/19/20 08:00	10/20/20 13:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	98-82-8	W
p-Isopropyltoluene	<25.0	ug/kg	72.0	25.0	1	10/19/20 08:00	10/20/20 13:22	99-87-6	W
Methylene Chloride	<26.3	ug/kg	88.0	26.3	1	10/19/20 08:00	10/20/20 13:22	75-09-2	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	1634-04-4	W
Naphthalene	<27.3	ug/kg	91.0	27.3	1	10/19/20 08:00	10/20/20 13:22	91-20-3	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	103-65-1	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Sample: SBGW-3 (8'-12') Lab ID: 40216442044 Collected: 10/12/20 10:50 Received: 10/13/20 15:39 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B Pace Analytical Services - Green Bay									
Styrene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	100-42-5	W
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	79-34-5	W
Tetrachloroethene	<38.7	ug/kg	129	38.7	1	10/19/20 08:00	10/20/20 13:22	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	108-88-3	W
1,2,3-Trichlorobenzene	<47.3	ug/kg	158	47.3	1	10/19/20 08:00	10/20/20 13:22	87-61-6	W
1,2,4-Trichlorobenzene	<41.7	ug/kg	250	41.7	1	10/19/20 08:00	10/20/20 13:22	120-82-1	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	71-55-6	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	79-00-5	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	65.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-69-4	W
1,2,3-Trichloropropane	<37.4	ug/kg	125	37.4	1	10/19/20 08:00	10/20/20 13:22	96-18-4	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	95-63-6	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	108-67-8	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	75-01-4	W
Xylene (Total)	<75.0	ug/kg	180	75.0	1	10/19/20 08:00	10/20/20 13:22	1330-20-7	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	10/19/20 08:00	10/20/20 13:22	179601-23-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	10/19/20 08:00	10/20/20 13:22	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	95	%	58-145		1	10/19/20 08:00	10/20/20 13:22	1868-53-7	
Toluene-d8 (S)	119	%	56-140		1	10/19/20 08:00	10/20/20 13:22	2037-26-5	
4-Bromofluorobenzene (S)	106	%	52-137		1	10/19/20 08:00	10/20/20 13:22	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87
Pace Analytical Services - Green Bay

Percent Moisture	6.9	%	0.10	0.10	1		10/14/20 08:44		
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

QC Batch:	368337	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40216442001, 40216442002, 40216442003, 40216442004, 40216442005, 40216442006, 40216442007, 40216442008, 40216442009		

METHOD BLANK:	2129242	Matrix:	Solid
Associated Lab Samples:	40216442001, 40216442002, 40216442003, 40216442004, 40216442005, 40216442006, 40216442007, 40216442008, 40216442009		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	10/15/20 12:18	

LABORATORY CONTROL SAMPLE: 2129243						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.91	110	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:					2129245							
Parameter	Units	40216239002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike Conc.	Spike Conc.								
Mercury	mg/kg	0.024J	0.99	0.99	1.0	1.0	100	101	85-115	1	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368338	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029

METHOD BLANK:	2129246	Matrix:	Solid
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Associated Lab Samples: 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	10/15/20 13:23	

LABORATORY CONTROL SAMPLE: 2129247						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.87	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129248 2129249												
Parameter	Units	40216442010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	mg/kg	<0.011	0.94	0.94	0.98	0.98	105	105	85-115	0	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368481	Analysis Method:	EPA 7471
QC Batch Method:	EPA 7471	Analysis Description:	7471 Mercury
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037, 40216442038, 40216442039, 40216442040, 40216442041, 40216442042, 40216442043, 40216442044		

METHOD BLANK:	2130178	Matrix:	Solid
Associated Lab Samples:	40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037, 40216442038, 40216442039, 40216442040, 40216442041, 40216442042, 40216442043, 40216442044		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	mg/kg	<0.010	0.035	10/20/20 09:49	

LABORATORY CONTROL SAMPLE: 2130179						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	mg/kg	0.83	0.86	103	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130180					2130181							
		40216442030	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits		Max RPD	Qual
Parameter	Units	Result								RPD		
Mercury	mg/kg	<0.011	0.89	0.89	0.92	0.91	103	102	85-115	1	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368357	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40216442001, 40216442002, 40216442003, 40216442004, 40216442005, 40216442006, 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020		

METHOD BLANK:	2129333	Matrix:	Solid
Associated Lab Samples:	40216442001, 40216442002, 40216442003, 40216442004, 40216442005, 40216442006, 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	<0.80	2.0	10/16/20 19:03	
Arsenic	mg/kg	<1.5	2.5	10/16/20 19:03	
Beryllium	mg/kg	<0.12	0.40	10/16/20 19:03	
Cadmium	mg/kg	<0.13	0.50	10/16/20 19:03	
Chromium	mg/kg	<0.28	1.0	10/16/20 19:03	
Copper	mg/kg	<0.28	1.0	10/16/20 19:03	
Lead	mg/kg	<0.60	2.0	10/16/20 19:03	
Nickel	mg/kg	<0.26	1.0	10/16/20 19:03	
Selenium	mg/kg	<1.3	4.0	10/16/20 19:03	
Silver	mg/kg	<0.31	1.0	10/16/20 19:03	
Thallium	mg/kg	<0.78	4.0	10/16/20 19:03	
Zinc	mg/kg	<1.2	4.0	10/16/20 19:03	

LABORATORY CONTROL SAMPLE: 2129334

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	51.7	103	80-120	
Arsenic	mg/kg	50	50.6	101	80-120	
Beryllium	mg/kg	50	49.9	100	80-120	
Cadmium	mg/kg	50	50.2	100	80-120	
Chromium	mg/kg	50	50.1	100	80-120	
Copper	mg/kg	50	49.0	98	80-120	
Lead	mg/kg	50	51.9	104	80-120	
Nickel	mg/kg	50	51.2	102	80-120	
Selenium	mg/kg	50	50.1	100	80-120	
Silver	mg/kg	25	25.3	101	80-120	
Thallium	mg/kg	50	49.6	99	80-120	
Zinc	mg/kg	50	51.4	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129335 2129336

Parameter	Units	40216442001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	<1.3	82.6	82.9	64.4	65.9	78	79	75-125	2	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			2129335		2129336							
Parameter	Units	40216442001	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Arsenic	mg/kg	7.0	82.6	82.9	76.3	76.9	84	84	75-125	1	20	
Beryllium	mg/kg	0.49J	82.6	82.9	75.6	76.6	91	92	75-125	1	20	
Cadmium	mg/kg	0.27J	82.6	82.9	76.0	76.0	92	91	75-125	0	20	
Chromium	mg/kg	55.4	82.6	82.9	94.6	92.3	48	44	75-125	2	20	M0
Copper	mg/kg	31.3	82.6	82.9	90.6	90.1	72	71	75-125	1	20	M0
Lead	mg/kg	32.5	82.6	82.9	106	103	89	85	75-125	3	20	
Nickel	mg/kg	15.1	82.6	82.9	83.3	82.5	83	81	75-125	1	20	
Selenium	mg/kg	<2.2	82.6	82.9	73.8	73.8	88	87	75-125	0	20	
Silver	mg/kg	<0.51	41.2	41.4	38.4	39.2	93	94	75-125	2	20	
Thallium	mg/kg	1.7J	82.6	82.9	73.6	73.2	87	86	75-125	1	20	
Zinc	mg/kg	87.1	82.6	82.9	191	190	126	124	75-125	0	20	M0

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368358	Analysis Method:	EPA 6010
QC Batch Method:	EPA 3050	Analysis Description:	6010 MET
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037, 40216442038, 40216442039, 40216442040

METHOD BLANK: 2129337 Matrix: Solid

Associated Lab Samples: 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037, 40216442038, 40216442039, 40216442040

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	<0.80	2.0	10/16/20 17:51	
Arsenic	mg/kg	<1.5	2.5	10/16/20 17:51	
Beryllium	mg/kg	<0.12	0.40	10/16/20 17:51	
Cadmium	mg/kg	<0.13	0.50	10/16/20 17:51	
Chromium	mg/kg	<0.28	1.0	10/16/20 17:51	
Copper	mg/kg	<0.28	1.0	10/16/20 17:51	
Lead	mg/kg	<0.60	2.0	10/16/20 17:51	
Nickel	mg/kg	<0.26	1.0	10/16/20 17:51	
Selenium	mg/kg	<1.3	4.0	10/16/20 17:51	
Silver	mg/kg	<0.31	1.0	10/16/20 17:51	
Thallium	mg/kg	<0.78	4.0	10/16/20 17:51	
Zinc	mg/kg	<1.2	4.0	10/16/20 17:51	

LABORATORY CONTROL SAMPLE: 2129338

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	50.0	100	80-120	
Arsenic	mg/kg	50	49.7	99	80-120	
Beryllium	mg/kg	50	48.4	97	80-120	
Cadmium	mg/kg	50	48.5	97	80-120	
Chromium	mg/kg	50	49.7	99	80-120	
Copper	mg/kg	50	49.0	98	80-120	
Lead	mg/kg	50	49.5	99	80-120	
Nickel	mg/kg	50	49.2	98	80-120	
Selenium	mg/kg	50	49.3	99	80-120	
Silver	mg/kg	25	25.1	100	80-120	
Thallium	mg/kg	50	47.4	95	80-120	
Zinc	mg/kg	50	49.6	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129339 2129340

Parameter	Units	40216442021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
Antimony	mg/kg	<0.92	57.7	57.5	44.7	46.4	77	80	75-125	4	20

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129339 2129340												
Parameter	Units	40216442021 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	mg/kg	<1.7	57.7	57.5	54.4	55.6	94	97	75-125	2	20	
Beryllium	mg/kg	0.37J	57.7	57.5	54.6	53.9	94	93	75-125	1	20	
Cadmium	mg/kg	<0.15	57.7	57.5	54.1	53.8	94	93	75-125	1	20	
Chromium	mg/kg	9.7	57.7	57.5	61.0	58.8	89	85	75-125	4	20	
Copper	mg/kg	7.6	57.7	57.5	62.5	59.7	95	91	75-125	5	20	
Lead	mg/kg	20.2	57.7	57.5	70.5	71.5	87	89	75-125	1	20	
Nickel	mg/kg	4.7	57.7	57.5	61.1	58.1	98	93	75-125	5	20	
Selenium	mg/kg	<1.5	57.7	57.5	53.8	53.8	92	93	75-125	0	20	
Silver	mg/kg	<0.35	28.9	28.7	27.3	27.0	94	93	75-125	1	20	
Thallium	mg/kg	1.1J	57.7	57.5	54.4	53.6	93	91	75-125	2	20	
Zinc	mg/kg	49.1	57.7	57.5	100	98.5	89	86	75-125	2	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch: 368467 Analysis Method: EPA 6010
QC Batch Method: EPA 3050 Analysis Description: 6010 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40216442041, 40216442042, 40216442043, 40216442044

METHOD BLANK: 2130105 Matrix: Solid
Associated Lab Samples: 40216442041, 40216442042, 40216442043, 40216442044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	mg/kg	<0.80	2.0	10/19/20 13:51	
Arsenic	mg/kg	<1.5	2.5	10/19/20 13:51	
Beryllium	mg/kg	<0.12	0.40	10/19/20 13:51	
Cadmium	mg/kg	<0.13	0.50	10/19/20 13:51	
Chromium	mg/kg	<0.28	1.0	10/19/20 13:51	
Copper	mg/kg	<0.28	1.0	10/19/20 13:51	
Lead	mg/kg	<0.60	2.0	10/19/20 13:51	
Nickel	mg/kg	<0.26	1.0	10/19/20 13:51	
Selenium	mg/kg	<1.3	4.0	10/19/20 13:51	
Silver	mg/kg	<0.31	1.0	10/19/20 13:51	
Thallium	mg/kg	<0.78	4.0	10/19/20 13:51	
Zinc	mg/kg	<1.2	4.0	10/19/20 13:51	

LABORATORY CONTROL SAMPLE: 2130106

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/kg	50	52.5	105	80-120	
Arsenic	mg/kg	50	51.6	103	80-120	
Beryllium	mg/kg	50	49.4	99	80-120	
Cadmium	mg/kg	50	50.6	101	80-120	
Chromium	mg/kg	50	50.9	102	80-120	
Copper	mg/kg	50	50.6	101	80-120	
Lead	mg/kg	50	51.4	103	80-120	
Nickel	mg/kg	50	51.0	102	80-120	
Selenium	mg/kg	50	51.8	104	80-120	
Silver	mg/kg	25	25.5	102	80-120	
Thallium	mg/kg	50	50.4	101	80-120	
Zinc	mg/kg	50	50.5	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130107 2130108

Parameter	Units	40216442042 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	mg/kg	<0.83	51.7	51.7	43.2	41.8	83	80	75-125	3	20	
Arsenic	mg/kg	<1.5	51.7	51.7	49.5	50.2	96	97	75-125	1	20	
Beryllium	mg/kg	0.25J	51.7	51.7	48.8	49.3	94	95	75-125	1	20	
Cadmium	mg/kg	<0.14	51.7	51.7	49.6	49.9	96	96	75-125	1	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:												
2130107				2130108								
Parameter	Units	40216442042	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Chromium	mg/kg	15.4	51.7	51.7	63.0	68.8	92	103	75-125	9	20	
Copper	mg/kg	21.2	51.7	51.7	66.3	71.5	87	97	75-125	8	20	
Lead	mg/kg	2.7	51.7	51.7	52.4	52.8	96	97	75-125	1	20	
Nickel	mg/kg	10.7	51.7	51.7	59.4	63.5	94	102	75-125	7	20	
Selenium	mg/kg	<1.4	51.7	51.7	47.4	49.0	92	95	75-125	3	20	
Silver	mg/kg	<0.32	25.8	25.8	25.3	25.6	98	99	75-125	1	20	
Thallium	mg/kg	<0.81	51.7	51.7	48.0	48.5	93	94	75-125	1	20	
Zinc	mg/kg	13.5	51.7	51.7	65.1	67.6	100	105	75-125	4	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368373	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442001, 40216442002

METHOD BLANK: 2129475 Matrix: Solid

Associated Lab Samples: 40216442001, 40216442002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	10/15/20 09:28	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	10/15/20 09:28	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	10/15/20 09:28	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	10/15/20 09:28	
1,1-Dichloroethane	ug/kg	<13.5	50.0	10/15/20 09:28	
1,1-Dichloroethene	ug/kg	<11.8	50.0	10/15/20 09:28	
1,1-Dichloropropene	ug/kg	<10.7	50.0	10/15/20 09:28	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	10/15/20 09:28	
1,2,3-Trichloropropane	ug/kg	<37.4	125	10/15/20 09:28	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	10/15/20 09:28	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	10/15/20 09:28	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	10/15/20 09:28	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	10/15/20 09:28	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	10/15/20 09:28	
1,2-Dichloroethane	ug/kg	<13.8	50.0	10/15/20 09:28	
1,2-Dichloropropane	ug/kg	<13.5	50.0	10/15/20 09:28	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	10/15/20 09:28	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	10/15/20 09:28	
1,3-Dichloropropane	ug/kg	<11.0	50.0	10/15/20 09:28	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	10/15/20 09:28	
2,2-Dichloropropane	ug/kg	<15.7	52.0	10/15/20 09:28	
2-Chlorotoluene	ug/kg	<19.3	64.0	10/15/20 09:28	
4-Chlorotoluene	ug/kg	<19.3	64.0	10/15/20 09:28	
Benzene	ug/kg	<12.5	42.0	10/15/20 09:28	
Bromobenzene	ug/kg	<18.5	62.0	10/15/20 09:28	
Bromochloromethane	ug/kg	<20.9	70.0	10/15/20 09:28	
Bromodichloromethane	ug/kg	<10.0	50.0	10/15/20 09:28	
Bromoform	ug/kg	<21.6	72.0	10/15/20 09:28	
Bromomethane	ug/kg	<63.8	250	10/15/20 09:28	
Carbon tetrachloride	ug/kg	<7.5	50.0	10/15/20 09:28	
Chlorobenzene	ug/kg	<16.8	56.0	10/15/20 09:28	
Chloroethane	ug/kg	<46.4	250	10/15/20 09:28	
Chloroform	ug/kg	<47.5	250	10/15/20 09:28	
Chloromethane	ug/kg	<24.0	80.0	10/15/20 09:28	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	10/15/20 09:28	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	10/15/20 09:28	
Dibromochloromethane	ug/kg	<229	763	10/15/20 09:28	
Dibromomethane	ug/kg	<17.7	59.0	10/15/20 09:28	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	10/15/20 09:28	
Diisopropyl ether	ug/kg	<14.0	50.0	10/15/20 09:28	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

METHOD BLANK: 2129475 Matrix: Solid

Associated Lab Samples: 40216442001, 40216442002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	10/15/20 09:28	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	10/15/20 09:28	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	10/15/20 09:28	
m&p-Xylene	ug/kg	<32.4	108	10/15/20 09:28	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	10/15/20 09:28	
Methylene Chloride	ug/kg	<26.3	88.0	10/15/20 09:28	
n-Butylbenzene	ug/kg	<30.0	100	10/15/20 09:28	
n-Propylbenzene	ug/kg	<17.8	59.0	10/15/20 09:28	
Naphthalene	ug/kg	<27.3	91.0	10/15/20 09:28	
o-Xylene	ug/kg	<18.1	60.0	10/15/20 09:28	
p-Isopropyltoluene	ug/kg	<21.7	72.0	10/15/20 09:28	
sec-Butylbenzene	ug/kg	<21.5	72.0	10/15/20 09:28	
Styrene	ug/kg	<12.3	50.0	10/15/20 09:28	
tert-Butylbenzene	ug/kg	<18.7	62.0	10/15/20 09:28	
Tetrachloroethene	ug/kg	<38.7	129	10/15/20 09:28	
Toluene	ug/kg	<13.1	50.0	10/15/20 09:28	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	10/15/20 09:28	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	10/15/20 09:28	
Trichloroethene	ug/kg	<12.8	50.0	10/15/20 09:28	
Trichlorofluoromethane	ug/kg	<19.6	65.0	10/15/20 09:28	
Vinyl chloride	ug/kg	<14.5	50.0	10/15/20 09:28	
Xylene (Total)	ug/kg	<50.5	168	10/15/20 09:28	
4-Bromofluorobenzene (S)	%	92	52-137	10/15/20 09:28	
Dibromofluoromethane (S)	%	93	58-145	10/15/20 09:28	
Toluene-d8 (S)	%	100	56-140	10/15/20 09:28	

LABORATORY CONTROL SAMPLE: 2129476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2240	89	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2310	93	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2440	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2310	92	69-143	
1,1-Dichloroethene	ug/kg	2500	2400	96	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2330	93	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1840	74	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2270	91	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2350	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2280	91	70-130	
1,2-Dichloropropane	ug/kg	2500	2400	96	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2460	99	70-130	
Benzene	ug/kg	2500	2460	99	70-130	
Bromodichloromethane	ug/kg	2500	2170	87	70-130	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2129476

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2090	84	67-130	
Bromomethane	ug/kg	2500	2950	118	45-134	
Carbon tetrachloride	ug/kg	2500	2420	97	70-130	
Chlorobenzene	ug/kg	2500	2470	99	70-130	
Chloroethane	ug/kg	2500	2820	113	58-143	
Chloroform	ug/kg	2500	2450	98	76-122	
Chloromethane	ug/kg	2500	1810	72	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2200	88	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2130	85	70-130	
Dibromochloromethane	ug/kg	2500	2240	90	70-130	
Dichlorodifluoromethane	ug/kg	2500	1820	73	26-99	
Ethylbenzene	ug/kg	2500	2410	96	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2420	97	70-130	
m&p-Xylene	ug/kg	5000	4960	99	70-130	
Methyl-tert-butyl ether	ug/kg	2500	1950	78	70-130	
Methylene Chloride	ug/kg	2500	2350	94	70-130	
o-Xylene	ug/kg	2500	2460	98	70-130	
Styrene	ug/kg	2500	2390	96	70-130	
Tetrachloroethene	ug/kg	2500	2580	103	70-130	
Toluene	ug/kg	2500	2340	94	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2470	99	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2080	83	70-130	
Trichloroethene	ug/kg	2500	2510	101	70-130	
Trichlorofluoromethane	ug/kg	2500	2590	104	70-128	
Vinyl chloride	ug/kg	2500	2120	85	53-110	
Xylene (Total)	ug/kg	7500	7410	99	70-130	
4-Bromofluorobenzene (S)	%			96	52-137	
Dibromofluoromethane (S)	%			95	58-145	
Toluene-d8 (S)	%			97	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129477 2129478

Parameter	Units	40216442002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1450	1450	1290	1370	89	94	66-130	6	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1450	1450	1340	1460	92	100	70-133	9	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1450	1450	1480	1560	102	108	70-130	5	20	
1,1-Dichloroethane	ug/kg	<25.0	1450	1450	1340	1550	93	107	69-143	14	20	
1,1-Dichloroethene	ug/kg	<25.0	1450	1450	1510	1500	105	104	58-120	1	20	
1,2,4-Trichlorobenzene	ug/kg	<41.7	1450	1450	1510	1580	104	109	60-130	5	20	
1,2-Dibromo-3-chloropropane	ug/kg	<237	1450	1450	1130	1180	78	81	59-136	4	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1450	1450	1430	1530	99	106	70-130	7	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1450	1450	1470	1540	102	106	70-130	4	20	
1,2-Dichloroethane	ug/kg	<25.0	1450	1450	1400	1540	96	106	70-136	10	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129477				2129478									
Parameter	Units	40216442002	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
1,2-Dichloropropane	ug/kg	<25.0	1450	1450	1410	1460	98	101	78-128	3	20		
1,3-Dichlorobenzene	ug/kg	<25.0	1450	1450	1500	1580	104	109	70-130	5	20		
1,4-Dichlorobenzene	ug/kg	<25.0	1450	1450	1530	1610	106	111	70-130	5	20		
Benzene	ug/kg	<25.0	1450	1450	1510	1610	104	111	70-130	6	20		
Bromodichloromethane	ug/kg	<25.0	1450	1450	1260	1280	87	88	70-130	2	20		
Bromoform	ug/kg	<25.0	1450	1450	1210	1210	83	83	63-130	0	20		
Bromomethane	ug/kg	<63.8	1450	1450	2030	2290	140	158	33-146	12	20	M1	
Carbon tetrachloride	ug/kg	<25.0	1450	1450	1320	1420	91	98	65-130	7	20		
Chlorobenzene	ug/kg	<25.0	1450	1450	1530	1580	105	109	70-130	3	20		
Chloroethane	ug/kg	<46.4	1450	1450	1740	2010	120	138	46-156	14	20		
Chloroform	ug/kg	<47.5	1450	1450	1510	1570	104	108	75-130	4	20		
Chloromethane	ug/kg	<25.0	1450	1450	1240	1280	86	88	20-139	3	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1450	1450	1380	1450	95	100	69-130	5	20		
cis-1,3-Dichloropropene	ug/kg	<42.3	1450	1450	1170	1230	81	85	70-130	6	20		
Dibromochloromethane	ug/kg	<229	1450	1450	1320	1350	91	93	70-130	2	20		
Dichlorodifluoromethane	ug/kg	<25.0	1450	1450	1190	1280	82	88	10-99	8	22		
Ethylbenzene	ug/kg	<25.0	1450	1450	1410	1510	98	104	80-120	7	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1450	1450	1410	1510	97	104	70-130	7	20		
m&p-Xylene	ug/kg	<50.0	2900	2900	3010	3110	104	107	70-130	3	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1450	1450	1180	1240	82	86	70-130	5	20		
Methylene Chloride	ug/kg	<26.3	1450	1450	1550	1710	107	118	70-136	10	20		
o-Xylene	ug/kg	<25.0	1450	1450	1460	1620	101	112	70-130	10	20		
Styrene	ug/kg	<25.0	1450	1450	1450	1510	100	104	70-130	4	20		
Tetrachloroethene	ug/kg	<38.7	1450	1450	1580	1670	109	115	68-130	6	20		
Toluene	ug/kg	<25.0	1450	1450	1440	1500	99	104	80-120	4	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1450	1450	1550	1600	107	111	70-130	3	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1450	1450	1190	1300	82	90	70-130	9	20		
Trichloroethene	ug/kg	<25.0	1450	1450	1460	1470	101	102	70-130	1	20		
Trichlorofluoromethane	ug/kg	<25.0	1450	1450	1440	1510	99	104	53-128	5	20		
Vinyl chloride	ug/kg	<25.0	1450	1450	1390	1480	96	102	32-118	6	20		
Xylene (Total)	ug/kg	<75.0	4350	4350	4470	4730	103	109	70-130	6	20		
4-Bromofluorobenzene (S)	%						103	108	52-137				
Dibromofluoromethane (S)	%						106	103	58-145				
Toluene-d8 (S)	%						104	106	56-140				

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch: 368407 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442003, 40216442004, 40216442005, 40216442006

METHOD BLANK: 2129692 Matrix: Solid
Associated Lab Samples: 40216442003, 40216442004, 40216442005, 40216442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	10/15/20 19:08	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	10/15/20 19:08	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	10/15/20 19:08	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	10/15/20 19:08	
1,1-Dichloroethane	ug/kg	<13.5	50.0	10/15/20 19:08	
1,1-Dichloroethene	ug/kg	<11.8	50.0	10/15/20 19:08	
1,1-Dichloropropene	ug/kg	<10.7	50.0	10/15/20 19:08	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	10/15/20 19:08	
1,2,3-Trichloropropane	ug/kg	<37.4	125	10/15/20 19:08	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	10/15/20 19:08	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	10/15/20 19:08	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	10/15/20 19:08	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	10/15/20 19:08	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	10/15/20 19:08	
1,2-Dichloroethane	ug/kg	<13.8	50.0	10/15/20 19:08	
1,2-Dichloropropane	ug/kg	<13.5	50.0	10/15/20 19:08	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	10/15/20 19:08	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	10/15/20 19:08	
1,3-Dichloropropane	ug/kg	<11.0	50.0	10/15/20 19:08	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	10/15/20 19:08	
2,2-Dichloropropane	ug/kg	<15.7	52.0	10/15/20 19:08	
2-Chlorotoluene	ug/kg	<19.3	64.0	10/15/20 19:08	
4-Chlorotoluene	ug/kg	<19.3	64.0	10/15/20 19:08	
Benzene	ug/kg	<12.5	42.0	10/15/20 19:08	
Bromobenzene	ug/kg	<18.5	62.0	10/15/20 19:08	
Bromochloromethane	ug/kg	<20.9	70.0	10/15/20 19:08	
Bromodichloromethane	ug/kg	<10.0	50.0	10/15/20 19:08	
Bromoform	ug/kg	<21.6	72.0	10/15/20 19:08	
Bromomethane	ug/kg	<63.8	250	10/15/20 19:08	
Carbon tetrachloride	ug/kg	<7.5	50.0	10/15/20 19:08	
Chlorobenzene	ug/kg	<16.8	56.0	10/15/20 19:08	
Chloroethane	ug/kg	<46.4	250	10/15/20 19:08	
Chloroform	ug/kg	<47.5	250	10/15/20 19:08	
Chloromethane	ug/kg	<24.0	80.0	10/15/20 19:08	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	10/15/20 19:08	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	10/15/20 19:08	
Dibromochloromethane	ug/kg	<229	763	10/15/20 19:08	
Dibromomethane	ug/kg	<17.7	59.0	10/15/20 19:08	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	10/15/20 19:08	
Diisopropyl ether	ug/kg	<14.0	50.0	10/15/20 19:08	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

METHOD BLANK: 2129692 Matrix: Solid
Associated Lab Samples: 40216442003, 40216442004, 40216442005, 40216442006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	10/15/20 19:08	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	10/15/20 19:08	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	10/15/20 19:08	
m&p-Xylene	ug/kg	<32.4	108	10/15/20 19:08	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	10/15/20 19:08	
Methylene Chloride	ug/kg	<26.3	88.0	10/15/20 19:08	
n-Butylbenzene	ug/kg	<30.0	100	10/15/20 19:08	
n-Propylbenzene	ug/kg	<17.8	59.0	10/15/20 19:08	
Naphthalene	ug/kg	<27.3	91.0	10/15/20 19:08	
o-Xylene	ug/kg	<18.1	60.0	10/15/20 19:08	
p-Isopropyltoluene	ug/kg	<21.7	72.0	10/15/20 19:08	
sec-Butylbenzene	ug/kg	<21.5	72.0	10/15/20 19:08	
Styrene	ug/kg	<12.3	50.0	10/15/20 19:08	
tert-Butylbenzene	ug/kg	<18.7	62.0	10/15/20 19:08	
Tetrachloroethene	ug/kg	<38.7	129	10/15/20 19:08	
Toluene	ug/kg	<13.1	50.0	10/15/20 19:08	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	10/15/20 19:08	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	10/15/20 19:08	
Trichloroethene	ug/kg	<12.8	50.0	10/15/20 19:08	
Trichlorofluoromethane	ug/kg	<19.6	65.0	10/15/20 19:08	
Vinyl chloride	ug/kg	<14.5	50.0	10/15/20 19:08	
Xylene (Total)	ug/kg	<50.5	168	10/15/20 19:08	
4-Bromofluorobenzene (S)	%	95	52-137	10/15/20 19:08	
Dibromofluoromethane (S)	%	103	58-145	10/15/20 19:08	
Toluene-d8 (S)	%	99	56-140	10/15/20 19:08	

LABORATORY CONTROL SAMPLE: 2129693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2700	108	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2580	103	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2500	100	70-130	
1,1-Dichloroethane	ug/kg	2500	2650	106	69-143	
1,1-Dichloroethene	ug/kg	2500	2570	103	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2140	86	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2450	98	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2450	98	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2730	109	70-130	
1,2-Dichloroethane	ug/kg	2500	3100	124	70-130	
1,2-Dichloropropane	ug/kg	2500	2470	99	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2590	104	70-130	
Benzene	ug/kg	2500	2580	103	70-130	
Bromodichloromethane	ug/kg	2500	2120	85	70-130	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2129693

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2140	86	67-130	
Bromomethane	ug/kg	2500	2790	112	45-134	
Carbon tetrachloride	ug/kg	2500	2780	111	70-130	
Chlorobenzene	ug/kg	2500	2590	103	70-130	
Chloroethane	ug/kg	2500	2520	101	58-143	
Chloroform	ug/kg	2500	2810	112	76-122	
Chloromethane	ug/kg	2500	2140	86	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2580	103	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2210	88	70-130	
Dibromochloromethane	ug/kg	2500	2390	96	70-130	
Dichlorodifluoromethane	ug/kg	2500	1630	65	26-99	
Ethylbenzene	ug/kg	2500	2630	105	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2370	95	70-130	
m&p-Xylene	ug/kg	5000	4730	95	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2740	110	70-130	
Methylene Chloride	ug/kg	2500	2430	97	70-130	
o-Xylene	ug/kg	2500	2240	90	70-130	
Styrene	ug/kg	2500	2480	99	70-130	
Tetrachloroethene	ug/kg	2500	2200	88	70-130	
Toluene	ug/kg	2500	2650	106	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2700	108	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2240	89	70-130	
Trichloroethene	ug/kg	2500	2680	107	70-130	
Trichlorofluoromethane	ug/kg	2500	2570	103	70-128	
Vinyl chloride	ug/kg	2500	2160	86	53-110	
Xylene (Total)	ug/kg	7500	6970	93	70-130	
4-Bromofluorobenzene (S)	%			108	52-137	
Dibromofluoromethane (S)	%			117	58-145	
Toluene-d8 (S)	%			110	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129705 2129706

Parameter	Units	40216442006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1460	1460	1370	1310	94	90	66-130	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1460	1460	1530	1420	105	97	70-133	8	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1460	1460	1480	1460	101	100	70-130	1	20	
1,1-Dichloroethane	ug/kg	<25.0	1460	1460	1500	1440	103	99	69-143	4	20	
1,1-Dichloroethene	ug/kg	<25.0	1460	1460	1210	1210	83	83	58-120	0	20	
1,2,4-Trichlorobenzene	ug/kg	<41.7	1460	1460	1520	1380	104	95	60-130	10	20	
1,2-Dibromo-3-chloropropane	ug/kg	<237	1460	1460	1500	1430	103	98	59-136	5	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1460	1460	1410	1290	97	88	70-130	10	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1460	1460	1530	1590	105	109	70-130	4	20	
1,2-Dichloroethane	ug/kg	<25.0	1460	1460	1730	1560	119	107	70-136	11	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129705 2129706											
Parameter	Units	40216442006		MS	MSD	MS		MSD	% Rec	Max	
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	RPD
1,2-Dichloropropane	ug/kg	<25.0	1460	1460	1460	1380	1440	95	99	78-128	4
1,3-Dichlorobenzene	ug/kg	<25.0	1460	1460	1460	1550	1580	106	108	70-130	2
1,4-Dichlorobenzene	ug/kg	<25.0	1460	1460	1460	1570	1500	107	103	70-130	4
Benzene	ug/kg	<25.0	1460	1460	1460	1410	1370	97	94	70-130	3
Bromodichloromethane	ug/kg	<25.0	1460	1460	1460	1290	1260	89	86	70-130	3
Bromoform	ug/kg	<25.0	1460	1460	1460	1160	1250	80	86	63-130	7
Bromomethane	ug/kg	<63.8	1460	1460	1460	1780	1660	122	114	33-146	7
Carbon tetrachloride	ug/kg	<25.0	1460	1460	1460	1400	1300	96	89	65-130	8
Chlorobenzene	ug/kg	<25.0	1460	1460	1460	1530	1470	105	101	70-130	4
Chloroethane	ug/kg	<46.4	1460	1460	1460	1460	1410	100	97	46-156	4
Chloroform	ug/kg	<47.5	1460	1460	1460	1500	1460	103	100	75-130	3
Chloromethane	ug/kg	<25.0	1460	1460	1460	1260	1250	86	86	20-139	1
cis-1,2-Dichloroethene	ug/kg	<25.0	1460	1460	1460	1480	1390	102	95	69-130	7
cis-1,3-Dichloropropene	ug/kg	<42.3	1460	1460	1460	1270	1280	87	88	70-130	1
Dibromochloromethane	ug/kg	<229	1460	1460	1460	1390	1340	96	92	70-130	4
Dichlorodifluoromethane	ug/kg	<25.0	1460	1460	1460	1050	863	72	59	10-99	19
Ethylbenzene	ug/kg	<25.0	1460	1460	1460	1460	1410	100	97	80-120	3
Isopropylbenzene (Cumene)	ug/kg	<25.0	1460	1460	1460	1280	1220	88	84	70-130	5
m&p-Xylene	ug/kg	<50.0	2920	2920	2920	2650	2570	91	88	70-130	3
Methyl-tert-butyl ether	ug/kg	<25.0	1460	1460	1460	1520	1510	104	104	70-130	1
Methylene Chloride	ug/kg	<26.3	1460	1460	1460	1420	1450	97	100	70-136	2
o-Xylene	ug/kg	<25.0	1460	1460	1460	1280	1230	88	84	70-130	4
Styrene	ug/kg	<25.0	1460	1460	1460	1370	1400	94	96	70-130	2
Tetrachloroethene	ug/kg	<38.7	1460	1460	1460	1230	1180	84	81	68-130	4
Toluene	ug/kg	<25.0	1460	1460	1460	1480	1490	101	102	80-120	1
trans-1,2-Dichloroethene	ug/kg	<25.0	1460	1460	1460	1630	1550	112	106	70-130	5
trans-1,3-Dichloropropene	ug/kg	<25.0	1460	1460	1460	1210	1200	83	83	70-130	0
Trichloroethene	ug/kg	<25.0	1460	1460	1460	1440	1460	99	101	70-130	2
Trichlorofluoromethane	ug/kg	<25.0	1460	1460	1460	1500	1310	103	90	53-128	14
Vinyl chloride	ug/kg	<25.0	1460	1460	1460	1250	1090	86	75	32-118	14
Xylene (Total)	ug/kg	<75.0	4370	4370	4370	3930	3800	90	87	70-130	3
4-Bromofluorobenzene (S)	%							116	101	52-137	
Dibromofluoromethane (S)	%							120	113	58-145	
Toluene-d8 (S)	%							119	112	56-140	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368506	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017

METHOD BLANK: 2130399 Matrix: Solid
Associated Lab Samples: 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	10/16/20 09:05	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	10/16/20 09:05	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	10/16/20 09:05	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	10/16/20 09:05	
1,1-Dichloroethane	ug/kg	<13.5	50.0	10/16/20 09:05	
1,1-Dichloroethene	ug/kg	<11.8	50.0	10/16/20 09:05	
1,1-Dichloropropene	ug/kg	<10.7	50.0	10/16/20 09:05	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	10/16/20 09:05	
1,2,3-Trichloropropane	ug/kg	<37.4	125	10/16/20 09:05	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	10/16/20 09:05	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	10/16/20 09:05	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	10/16/20 09:05	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	10/16/20 09:05	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	10/16/20 09:05	
1,2-Dichloroethane	ug/kg	<13.8	50.0	10/16/20 09:05	
1,2-Dichloropropane	ug/kg	<13.5	50.0	10/16/20 09:05	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	10/16/20 09:05	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	10/16/20 09:05	
1,3-Dichloropropane	ug/kg	<11.0	50.0	10/16/20 09:05	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	10/16/20 09:05	
2,2-Dichloropropane	ug/kg	<15.7	52.0	10/16/20 09:05	
2-Chlorotoluene	ug/kg	<19.3	64.0	10/16/20 09:05	
4-Chlorotoluene	ug/kg	<19.3	64.0	10/16/20 09:05	
Benzene	ug/kg	<12.5	42.0	10/16/20 09:05	
Bromobenzene	ug/kg	<18.5	62.0	10/16/20 09:05	
Bromochloromethane	ug/kg	<20.9	70.0	10/16/20 09:05	
Bromodichloromethane	ug/kg	<10.0	50.0	10/16/20 09:05	
Bromoform	ug/kg	<21.6	72.0	10/16/20 09:05	
Bromomethane	ug/kg	<63.8	250	10/16/20 09:05	
Carbon tetrachloride	ug/kg	<7.5	50.0	10/16/20 09:05	
Chlorobenzene	ug/kg	<16.8	56.0	10/16/20 09:05	
Chloroethane	ug/kg	<46.4	250	10/16/20 09:05	
Chloroform	ug/kg	<47.5	250	10/16/20 09:05	
Chloromethane	ug/kg	<24.0	80.0	10/16/20 09:05	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	10/16/20 09:05	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	10/16/20 09:05	
Dibromochloromethane	ug/kg	<229	763	10/16/20 09:05	
Dibromomethane	ug/kg	<17.7	59.0	10/16/20 09:05	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	10/16/20 09:05	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

METHOD BLANK: 2130399

Matrix: Solid

Associated Lab Samples: 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/kg	<14.0	50.0	10/16/20 09:05	
Ethylbenzene	ug/kg	<14.5	50.0	10/16/20 09:05	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	10/16/20 09:05	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	10/16/20 09:05	
m&p-Xylene	ug/kg	<32.4	108	10/16/20 09:05	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	10/16/20 09:05	
Methylene Chloride	ug/kg	<26.3	88.0	10/16/20 09:05	
n-Butylbenzene	ug/kg	<30.0	100	10/16/20 09:05	
n-Propylbenzene	ug/kg	<17.8	59.0	10/16/20 09:05	
Naphthalene	ug/kg	<27.3	91.0	10/16/20 09:05	
o-Xylene	ug/kg	<18.1	60.0	10/16/20 09:05	
p-Isopropyltoluene	ug/kg	<21.7	72.0	10/16/20 09:05	
sec-Butylbenzene	ug/kg	<21.5	72.0	10/16/20 09:05	
Styrene	ug/kg	<12.3	50.0	10/16/20 09:05	
tert-Butylbenzene	ug/kg	<18.7	62.0	10/16/20 09:05	
Tetrachloroethene	ug/kg	<38.7	129	10/16/20 09:05	
Toluene	ug/kg	<13.1	50.0	10/16/20 09:05	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	10/16/20 09:05	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	10/16/20 09:05	
Trichloroethene	ug/kg	<12.8	50.0	10/16/20 09:05	
Trichlorofluoromethane	ug/kg	<19.6	65.0	10/16/20 09:05	
Vinyl chloride	ug/kg	<14.5	50.0	10/16/20 09:05	
Xylene (Total)	ug/kg	<50.5	168	10/16/20 09:05	
4-Bromofluorobenzene (S)	%	101	52-137	10/16/20 09:05	
Dibromofluoromethane (S)	%	105	58-145	10/16/20 09:05	
Toluene-d8 (S)	%	108	56-140	10/16/20 09:05	

LABORATORY CONTROL SAMPLE: 2130400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2590	103	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2440	97	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2580	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2500	100	69-143	
1,1-Dichloroethene	ug/kg	2500	2840	114	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2780	111	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2050	82	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2610	104	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2600	104	70-130	
1,2-Dichloroethane	ug/kg	2500	2430	97	70-130	
1,2-Dichloropropane	ug/kg	2500	2560	102	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2660	106	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2660	107	70-130	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2130400

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	2500	2670	107	70-130	
Bromodichloromethane	ug/kg	2500	2350	94	70-130	
Bromoform	ug/kg	2500	2410	97	67-130	
Bromomethane	ug/kg	2500	3170	127	45-134	
Carbon tetrachloride	ug/kg	2500	2630	105	70-130	
Chlorobenzene	ug/kg	2500	2800	112	70-130	
Chloroethane	ug/kg	2500	3040	122	58-143	
Chloroform	ug/kg	2500	2550	102	76-122	
Chloromethane	ug/kg	2500	1940	78	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2450	98	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Dibromochloromethane	ug/kg	2500	2590	104	70-130	
Dichlorodifluoromethane	ug/kg	2500	1970	79	26-99	
Ethylbenzene	ug/kg	2500	2710	108	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2710	108	70-130	
m&p-Xylene	ug/kg	5000	5420	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2130	85	70-130	
Methylene Chloride	ug/kg	2500	2870	115	70-130	
o-Xylene	ug/kg	2500	2760	110	70-130	
Styrene	ug/kg	2500	2680	107	70-130	
Tetrachloroethene	ug/kg	2500	2970	119	70-130	
Toluene	ug/kg	2500	2650	106	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2720	109	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2330	93	70-130	
Trichloroethene	ug/kg	2500	2800	112	70-130	
Trichlorofluoromethane	ug/kg	2500	2920	117	70-128	
Vinyl chloride	ug/kg	2500	2500	100	53-110	
Xylene (Total)	ug/kg	7500	8180	109	70-130	
4-Bromofluorobenzene (S)	%			102	52-137	
Dibromofluoromethane (S)	%			102	58-145	
Toluene-d8 (S)	%			105	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130401 2130402

Parameter	Units	40216442007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1320	1320	1290	1030	98	78	66-130	22	20	R1
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1320	1320	1360	1270	103	96	70-133	7	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1320	1320	1420	1290	107	97	70-130	10	20	
1,1-Dichloroethane	ug/kg	<25.0	1320	1320	1340	1080	101	82	69-143	21	20	R1
1,1-Dichloroethene	ug/kg	<25.0	1320	1320	1510	1110	114	84	58-120	30	20	R1
1,2,4-Trichlorobenzene	ug/kg	<41.7	1320	1320	1540	1290	117	98	60-130	18	20	
1,2-Dibromo-3-chloropropane	ug/kg	<237	1320	1320	1090	956	82	72	59-136	13	20	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1320	1320	1370	1160	103	88	70-130	16	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130401 2130402											
Parameter	Units	40216442007		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	Limits	Max
										RPD	RPD
1,2-Dichlorobenzene	ug/kg	<25.0	1320	1320	1320	1260	107	95	70-130	12	20
1,2-Dichloroethane	ug/kg	<25.0	1320	1320	1320	1250	1060	94	80	70-136	16
1,2-Dichloropropane	ug/kg	<25.0	1320	1320	1320	1340	1100	101	83	78-128	20
1,3-Dichlorobenzene	ug/kg	<25.0	1320	1320	1320	1410	1240	107	94	70-130	13
1,4-Dichlorobenzene	ug/kg	<25.0	1320	1320	1320	1400	1210	105	92	70-130	14
Benzene	ug/kg	<25.0	1320	1320	1320	1390	1170	105	88	70-130	18
Bromodichloromethane	ug/kg	<25.0	1320	1320	1320	1160	985	88	74	70-130	16
Bromoform	ug/kg	<25.0	1320	1320	1320	1220	1020	92	77	63-130	18
Bromomethane	ug/kg	<63.8	1320	1320	1320	1790	1440	135	108	33-146	22
Carbon tetrachloride	ug/kg	<25.0	1320	1320	1320	1370	1020	103	77	65-130	29
Chlorobenzene	ug/kg	<25.0	1320	1320	1320	1420	1190	107	90	70-130	18
Chloroethane	ug/kg	<46.4	1320	1320	1320	1640	1250	124	94	46-156	27
Chloroform	ug/kg	<47.5	1320	1320	1320	1340	1130	101	85	75-130	17
Chloromethane	ug/kg	<25.0	1320	1320	1320	1020	824	77	62	20-139	21
cis-1,2-Dichloroethene	ug/kg	<25.0	1320	1320	1320	1360	1080	103	81	69-130	23
cis-1,3-Dichloropropene	ug/kg	<42.3	1320	1320	1320	1160	978	88	74	70-130	17
Dibromochloromethane	ug/kg	<229	1320	1320	1320	1230	1080	93	81	70-130	13
Dichlorodifluoromethane	ug/kg	<25.0	1320	1320	1320	1070	834	81	63	10-99	25
Ethylbenzene	ug/kg	<25.0	1320	1320	1320	1370	1100	104	83	80-120	22
Isopropylbenzene (Cumene)	ug/kg	<25.0	1320	1320	1320	1350	1110	102	84	70-130	19
m&p-Xylene	ug/kg	<50.0	2650	2650	2650	2720	2340	103	88	70-130	15
Methyl-tert-butyl ether	ug/kg	<25.0	1320	1320	1320	1120	1020	85	77	70-130	9
Methylene Chloride	ug/kg	<26.3	1320	1320	1320	1620	1200	122	91	70-136	30
o-Xylene	ug/kg	<25.0	1320	1320	1320	1360	1160	103	87	70-130	16
Styrene	ug/kg	<25.0	1320	1320	1320	1330	1100	101	83	70-130	19
Tetrachloroethene	ug/kg	<38.7	1320	1320	1320	1450	1250	110	94	68-130	15
Toluene	ug/kg	<25.0	1320	1320	1320	1350	1160	102	88	80-120	15
trans-1,2-Dichloroethene	ug/kg	<25.0	1320	1320	1320	1480	1180	112	89	70-130	22
trans-1,3-Dichloropropene	ug/kg	<25.0	1320	1320	1320	1140	1010	86	77	70-130	12
Trichloroethene	ug/kg	<25.0	1320	1320	1320	1400	1110	106	84	70-130	23
Trichlorofluoromethane	ug/kg	<25.0	1320	1320	1320	1540	1170	116	88	53-128	27
Vinyl chloride	ug/kg	<25.0	1320	1320	1320	1310	1080	99	82	32-118	19
Xylene (Total)	ug/kg	<75.0	3970	3970	3970	4090	3490	103	88	70-130	16
4-Bromofluorobenzene (S)	%							102	95	52-137	
Dibromofluoromethane (S)	%							102	93	58-145	
Toluene-d8 (S)	%							107	99	56-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368508	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037

METHOD BLANK:	2130419	Matrix:	Solid
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Associated Lab Samples: 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	10/16/20 11:54	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	10/16/20 11:54	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	10/16/20 11:54	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	10/16/20 11:54	
1,1-Dichloroethane	ug/kg	<13.5	50.0	10/16/20 11:54	
1,1-Dichloroethene	ug/kg	<11.8	50.0	10/16/20 11:54	
1,1-Dichloropropene	ug/kg	<10.7	50.0	10/16/20 11:54	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	10/16/20 11:54	
1,2,3-Trichloropropane	ug/kg	<37.4	125	10/16/20 11:54	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	10/16/20 11:54	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	10/16/20 11:54	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	10/16/20 11:54	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	10/16/20 11:54	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	10/16/20 11:54	
1,2-Dichloroethane	ug/kg	<13.8	50.0	10/16/20 11:54	
1,2-Dichloropropane	ug/kg	<13.5	50.0	10/16/20 11:54	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	10/16/20 11:54	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	10/16/20 11:54	
1,3-Dichloropropane	ug/kg	<11.0	50.0	10/16/20 11:54	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	10/16/20 11:54	
2,2-Dichloropropane	ug/kg	<15.7	52.0	10/16/20 11:54	
2-Chlorotoluene	ug/kg	<19.3	64.0	10/16/20 11:54	
4-Chlorotoluene	ug/kg	<19.3	64.0	10/16/20 11:54	
Benzene	ug/kg	<12.5	42.0	10/16/20 11:54	
Bromobenzene	ug/kg	<18.5	62.0	10/16/20 11:54	
Bromochloromethane	ug/kg	<20.9	70.0	10/16/20 11:54	
Bromodichloromethane	ug/kg	<10.0	50.0	10/16/20 11:54	
Bromoform	ug/kg	<21.6	72.0	10/16/20 11:54	
Bromomethane	ug/kg	<63.8	250	10/16/20 11:54	
Carbon tetrachloride	ug/kg	<7.5	50.0	10/16/20 11:54	
Chlorobenzene	ug/kg	<16.8	56.0	10/16/20 11:54	
Chloroethane	ug/kg	<46.4	250	10/16/20 11:54	
Chloroform	ug/kg	<47.5	250	10/16/20 11:54	
Chloromethane	ug/kg	<24.0	80.0	10/16/20 11:54	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	10/16/20 11:54	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	10/16/20 11:54	
Dibromochloromethane	ug/kg	<229	763	10/16/20 11:54	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

METHOD BLANK: 2130419

Matrix: Solid

Associated Lab Samples: 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/kg	<17.7	59.0	10/16/20 11:54	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	10/16/20 11:54	
Diisopropyl ether	ug/kg	<14.0	50.0	10/16/20 11:54	
Ethylbenzene	ug/kg	<14.5	50.0	10/16/20 11:54	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	10/16/20 11:54	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	10/16/20 11:54	
m&p-Xylene	ug/kg	<32.4	108	10/16/20 11:54	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	10/16/20 11:54	
Methylene Chloride	ug/kg	<26.3	88.0	10/16/20 11:54	
n-Butylbenzene	ug/kg	<30.0	100	10/16/20 11:54	
n-Propylbenzene	ug/kg	<17.8	59.0	10/16/20 11:54	
Naphthalene	ug/kg	<27.3	91.0	10/16/20 11:54	
o-Xylene	ug/kg	<18.1	60.0	10/16/20 11:54	
p-Isopropyltoluene	ug/kg	<21.7	72.0	10/16/20 11:54	
sec-Butylbenzene	ug/kg	<21.5	72.0	10/16/20 11:54	
Styrene	ug/kg	<12.3	50.0	10/16/20 11:54	
tert-Butylbenzene	ug/kg	<18.7	62.0	10/16/20 11:54	
Tetrachloroethene	ug/kg	<38.7	129	10/16/20 11:54	
Toluene	ug/kg	<13.1	50.0	10/16/20 11:54	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	10/16/20 11:54	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	10/16/20 11:54	
Trichloroethene	ug/kg	<12.8	50.0	10/16/20 11:54	
Trichlorofluoromethane	ug/kg	<19.6	65.0	10/16/20 11:54	
Vinyl chloride	ug/kg	<14.5	50.0	10/16/20 11:54	
Xylene (Total)	ug/kg	<50.5	168	10/16/20 11:54	
4-Bromofluorobenzene (S)	%	103	52-137	10/16/20 11:54	
Dibromofluoromethane (S)	%	99	58-145	10/16/20 11:54	
Toluene-d8 (S)	%	109	56-140	10/16/20 11:54	

LABORATORY CONTROL SAMPLE: 2130420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2690	107	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2810	112	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2600	104	70-130	
1,1-Dichloroethane	ug/kg	2500	2650	106	69-143	
1,1-Dichloroethene	ug/kg	2500	2500	100	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2920	117	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2670	107	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2820	113	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2690	108	70-130	
1,2-Dichloroethane	ug/kg	2500	2620	105	70-130	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2130420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichloropropane	ug/kg	2500	2610	105	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2680	107	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2540	102	70-130	
Benzene	ug/kg	2500	2670	107	70-130	
Bromodichloromethane	ug/kg	2500	2780	111	70-130	
Bromoform	ug/kg	2500	2520	101	67-130	
Bromomethane	ug/kg	2500	1610	64	45-134	
Carbon tetrachloride	ug/kg	2500	2720	109	70-130	
Chlorobenzene	ug/kg	2500	2660	106	70-130	
Chloroethane	ug/kg	2500	2270	91	58-143	
Chloroform	ug/kg	2500	2650	106	76-122	
Chloromethane	ug/kg	2500	1900	76	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2570	103	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2580	103	70-130	
Dibromochloromethane	ug/kg	2500	2810	112	70-130	
Dichlorodifluoromethane	ug/kg	2500	1610	64	26-99	
Ethylbenzene	ug/kg	2500	2710	108	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2760	111	70-130	
m&p-Xylene	ug/kg	5000	5390	108	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2600	104	70-130	
Methylene Chloride	ug/kg	2500	2440	98	70-130	
o-Xylene	ug/kg	2500	2680	107	70-130	
Styrene	ug/kg	2500	2850	114	70-130	
Tetrachloroethene	ug/kg	2500	2690	107	70-130	
Toluene	ug/kg	2500	2690	108	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2550	102	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2520	101	70-130	
Trichloroethene	ug/kg	2500	2690	108	70-130	
Trichlorofluoromethane	ug/kg	2500	2390	96	70-128	
Vinyl chloride	ug/kg	2500	2140	86	53-110	
Xylene (Total)	ug/kg	7500	8070	108	70-130	
4-Bromofluorobenzene (S)	%			100	52-137	
Dibromofluoromethane (S)	%			98	58-145	
Toluene-d8 (S)	%			102	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130421 2130422

Parameter	Units	40216442031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1310	1310	1320	1250	101	96	66-130	5	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1310	1310	1430	1350	109	103	70-133	5	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1310	1310	1370	1330	105	102	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1310	1310	1350	1320	104	101	69-143	3	20	
1,1-Dichloroethene	ug/kg	<25.0	1310	1310	1250	1210	95	93	58-120	3	20	
1,2,4-Trichlorobenzene	ug/kg	<41.7	1310	1310	1500	1350	115	103	60-130	11	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130421 2130422											
Parameter	Units	40216442031 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/kg	<237	1310	1310	1290	1290	99	98	59-136	0	20
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1310	1310	1440	1410	110	108	70-130	2	20
1,2-Dichlorobenzene	ug/kg	<25.0	1310	1310	1430	1350	110	104	70-130	6	20
1,2-Dichloroethane	ug/kg	<25.0	1310	1310	1340	1280	103	98	70-136	5	20
1,2-Dichloropropane	ug/kg	<25.0	1310	1310	1370	1280	105	98	78-128	6	20
1,3-Dichlorobenzene	ug/kg	<25.0	1310	1310	1450	1320	111	101	70-130	10	20
1,4-Dichlorobenzene	ug/kg	<25.0	1310	1310	1370	1230	105	94	70-130	11	20
Benzene	ug/kg	<25.0	1310	1310	1340	1300	102	99	70-130	3	20
Bromodichloromethane	ug/kg	<25.0	1310	1310	1380	1310	106	100	70-130	6	20
Bromoform	ug/kg	<25.0	1310	1310	1300	1260	99	97	63-130	3	20
Bromomethane	ug/kg	<63.8	1310	1310	869	871	66	67	33-146	0	20
Carbon tetrachloride	ug/kg	<25.0	1310	1310	1300	1220	99	93	65-130	6	20
Chlorobenzene	ug/kg	<25.0	1310	1310	1410	1360	108	104	70-130	4	20
Chloroethane	ug/kg	<46.4	1310	1310	1160	1120	89	86	46-156	3	20
Chloroform	ug/kg	<47.5	1310	1310	1330	1290	102	99	75-130	3	20
Chloromethane	ug/kg	<25.0	1310	1310	981	937	75	72	20-139	5	20
cis-1,2-Dichloroethene	ug/kg	<25.0	1310	1310	1330	1220	102	93	69-130	9	20
cis-1,3-Dichloropropene	ug/kg	<42.3	1310	1310	1330	1240	102	95	70-130	7	20
Dibromochloromethane	ug/kg	<229	1310	1310	1420	1350	109	103	70-130	5	20
Dichlorodifluoromethane	ug/kg	<25.0	1310	1310	742	701	57	54	10-99	6	22
Ethylbenzene	ug/kg	<25.0	1310	1310	1380	1320	106	101	80-120	5	20
Isopropylbenzene (Cumene)	ug/kg	<25.0	1310	1310	1380	1310	106	100	70-130	5	20
m&p-Xylene	ug/kg	<50.0	2620	2620	2790	2640	107	101	70-130	5	20
Methyl-tert-butyl ether	ug/kg	<25.0	1310	1310	1350	1240	103	95	70-130	8	20
Methylene Chloride	ug/kg	<26.3	1310	1310	1290	1240	99	95	70-136	4	20
o-Xylene	ug/kg	<25.0	1310	1310	1390	1310	106	100	70-130	6	20
Styrene	ug/kg	<25.0	1310	1310	1470	1350	112	104	70-130	8	20
Tetrachloroethene	ug/kg	<38.7	1310	1310	1330	1300	102	99	68-130	3	20
Toluene	ug/kg	<25.0	1310	1310	1390	1330	106	101	80-120	5	20
trans-1,2-Dichloroethene	ug/kg	<25.0	1310	1310	1310	1230	100	94	70-130	6	20
trans-1,3-Dichloropropene	ug/kg	<25.0	1310	1310	1380	1240	106	95	70-130	11	20
Trichloroethene	ug/kg	<25.0	1310	1310	1340	1290	102	99	70-130	4	20
Trichlorofluoromethane	ug/kg	<25.0	1310	1310	1180	1140	90	87	53-128	3	20
Vinyl chloride	ug/kg	<25.0	1310	1310	1060	1010	81	77	32-118	5	20
Xylene (Total)	ug/kg	<75.0	3920	3920	4180	3950	106	101	70-130	6	20
4-Bromofluorobenzene (S)	%						108	109	52-137		
Dibromofluoromethane (S)	%						103	103	58-145		
Toluene-d8 (S)	%						108	108	56-140		

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

QC Batch:	368636	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442038, 40216442039, 40216442040, 40216442041, 40216442042, 40216442043, 40216442044

METHOD BLANK: 2131470

Matrix: Solid

Associated Lab Samples: 40216442038, 40216442039, 40216442040, 40216442041, 40216442042, 40216442043, 40216442044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<7.8	50.0	10/19/20 19:38	
1,1,1-Trichloroethane	ug/kg	<13.5	50.0	10/19/20 19:38	
1,1,2,2-Tetrachloroethane	ug/kg	<15.7	52.0	10/19/20 19:38	
1,1,2-Trichloroethane	ug/kg	<15.7	52.0	10/19/20 19:38	
1,1-Dichloroethane	ug/kg	<13.5	50.0	10/19/20 19:38	
1,1-Dichloroethene	ug/kg	<11.8	50.0	10/19/20 19:38	
1,1-Dichloropropene	ug/kg	<10.7	50.0	10/19/20 19:38	
1,2,3-Trichlorobenzene	ug/kg	<47.3	158	10/19/20 19:38	
1,2,3-Trichloropropane	ug/kg	<37.4	125	10/19/20 19:38	
1,2,4-Trichlorobenzene	ug/kg	<41.7	250	10/19/20 19:38	
1,2,4-Trimethylbenzene	ug/kg	<18.1	60.0	10/19/20 19:38	
1,2-Dibromo-3-chloropropane	ug/kg	<237	789	10/19/20 19:38	
1,2-Dibromoethane (EDB)	ug/kg	<17.0	57.0	10/19/20 19:38	
1,2-Dichlorobenzene	ug/kg	<13.1	50.0	10/19/20 19:38	
1,2-Dichloroethane	ug/kg	<13.8	50.0	10/19/20 19:38	
1,2-Dichloropropane	ug/kg	<13.5	50.0	10/19/20 19:38	
1,3,5-Trimethylbenzene	ug/kg	<16.0	53.0	10/19/20 19:38	
1,3-Dichlorobenzene	ug/kg	<13.0	50.0	10/19/20 19:38	
1,3-Dichloropropane	ug/kg	<11.0	50.0	10/19/20 19:38	
1,4-Dichlorobenzene	ug/kg	<12.0	50.0	10/19/20 19:38	
2,2-Dichloropropane	ug/kg	<15.7	52.0	10/19/20 19:38	
2-Chlorotoluene	ug/kg	<19.3	64.0	10/19/20 19:38	
4-Chlorotoluene	ug/kg	<19.3	64.0	10/19/20 19:38	
Benzene	ug/kg	<12.5	42.0	10/19/20 19:38	
Bromobenzene	ug/kg	<18.5	62.0	10/19/20 19:38	
Bromochloromethane	ug/kg	<20.9	70.0	10/19/20 19:38	
Bromodichloromethane	ug/kg	<10.0	50.0	10/19/20 19:38	
Bromoform	ug/kg	<21.6	72.0	10/19/20 19:38	
Bromomethane	ug/kg	<63.8	250	10/19/20 19:38	
Carbon tetrachloride	ug/kg	<7.5	50.0	10/19/20 19:38	
Chlorobenzene	ug/kg	<16.8	56.0	10/19/20 19:38	
Chloroethane	ug/kg	<46.4	250	10/19/20 19:38	
Chloroform	ug/kg	<47.5	250	10/19/20 19:38	
Chloromethane	ug/kg	<24.0	80.0	10/19/20 19:38	
cis-1,2-Dichloroethene	ug/kg	<14.8	50.0	10/19/20 19:38	
cis-1,3-Dichloropropene	ug/kg	<42.3	141	10/19/20 19:38	
Dibromochloromethane	ug/kg	<229	763	10/19/20 19:38	
Dibromomethane	ug/kg	<17.7	59.0	10/19/20 19:38	
Dichlorodifluoromethane	ug/kg	<21.7	72.0	10/19/20 19:38	
Diisopropyl ether	ug/kg	<14.0	50.0	10/19/20 19:38	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

PACE Project No.: 40216442

METHOD BLANK: 2131470

Matrix: Solid

Associated Lab Samples: 40216442038, 40216442039, 40216442040, 40216442041, 40216442042, 40216442043, 40216442044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<14.5	50.0	10/19/20 19:38	
Hexachloro-1,3-butadiene	ug/kg	<68.7	229	10/19/20 19:38	
Isopropylbenzene (Cumene)	ug/kg	<17.7	59.0	10/19/20 19:38	
m&p-Xylene	ug/kg	<32.4	108	10/19/20 19:38	
Methyl-tert-butyl ether	ug/kg	<16.2	54.0	10/19/20 19:38	
Methylene Chloride	ug/kg	<26.3	88.0	10/19/20 19:38	
n-Butylbenzene	ug/kg	<30.0	100	10/19/20 19:38	
n-Propylbenzene	ug/kg	<17.8	59.0	10/19/20 19:38	
Naphthalene	ug/kg	<27.3	91.0	10/19/20 19:38	
o-Xylene	ug/kg	<18.1	60.0	10/19/20 19:38	
p-Isopropyltoluene	ug/kg	<21.7	72.0	10/19/20 19:38	
sec-Butylbenzene	ug/kg	<21.5	72.0	10/19/20 19:38	
Styrene	ug/kg	<12.3	50.0	10/19/20 19:38	
tert-Butylbenzene	ug/kg	<18.7	62.0	10/19/20 19:38	
Tetrachloroethene	ug/kg	<38.7	129	10/19/20 19:38	
Toluene	ug/kg	<13.1	50.0	10/19/20 19:38	
trans-1,2-Dichloroethene	ug/kg	<20.2	67.0	10/19/20 19:38	
trans-1,3-Dichloropropene	ug/kg	<22.2	74.0	10/19/20 19:38	
Trichloroethene	ug/kg	<12.8	50.0	10/19/20 19:38	
Trichlorofluoromethane	ug/kg	<19.6	65.0	10/19/20 19:38	
Vinyl chloride	ug/kg	<14.5	50.0	10/19/20 19:38	
Xylene (Total)	ug/kg	<50.5	168	10/19/20 19:38	
4-Bromofluorobenzene (S)	%	97	52-137	10/19/20 19:38	
Dibromofluoromethane (S)	%	102	58-145	10/19/20 19:38	
Toluene-d8 (S)	%	105	56-140	10/19/20 19:38	

LABORATORY CONTROL SAMPLE: 2131471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2550	102	70-130	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2530	101	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2450	98	70-130	
1,1-Dichloroethane	ug/kg	2500	2550	102	69-143	
1,1-Dichloroethene	ug/kg	2500	2270	91	73-118	
1,2,4-Trichlorobenzene	ug/kg	2500	2490	100	60-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2450	98	66-130	
1,2-Dibromoethane (EDB)	ug/kg	2500	2620	105	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2430	97	70-130	
1,2-Dichloroethane	ug/kg	2500	2500	100	70-130	
1,2-Dichloropropane	ug/kg	2500	2520	101	78-126	
1,3-Dichlorobenzene	ug/kg	2500	2390	96	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
Benzene	ug/kg	2500	2530	101	70-130	
Bromodichloromethane	ug/kg	2500	2550	102	70-130	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2131471

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	2300	92	67-130	
Bromomethane	ug/kg	2500	1500	60	45-134	
Carbon tetrachloride	ug/kg	2500	2540	102	70-130	
Chlorobenzene	ug/kg	2500	2520	101	70-130	
Chloroethane	ug/kg	2500	2040	82	58-143	
Chloroform	ug/kg	2500	2530	101	76-122	
Chloromethane	ug/kg	2500	1730	69	45-120	
cis-1,2-Dichloroethene	ug/kg	2500	2360	94	69-130	
cis-1,3-Dichloropropene	ug/kg	2500	2360	94	70-130	
Dibromochloromethane	ug/kg	2500	2620	105	70-130	
Dichlorodifluoromethane	ug/kg	2500	1360	54	26-99	
Ethylbenzene	ug/kg	2500	2480	99	80-120	
Isopropylbenzene (Cumene)	ug/kg	2500	2510	100	70-130	
m&p-Xylene	ug/kg	5000	5020	100	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2410	96	70-130	
Methylene Chloride	ug/kg	2500	2270	91	70-130	
o-Xylene	ug/kg	2500	2530	101	70-130	
Styrene	ug/kg	2500	2610	104	70-130	
Tetrachloroethene	ug/kg	2500	2410	96	70-130	
Toluene	ug/kg	2500	2480	99	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2290	92	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2240	90	70-130	
Trichloroethene	ug/kg	2500	2550	102	70-130	
Trichlorofluoromethane	ug/kg	2500	2190	88	70-128	
Vinyl chloride	ug/kg	2500	1940	78	53-110	
Xylene (Total)	ug/kg	7500	7550	101	70-130	
4-Bromofluorobenzene (S)	%			104	52-137	
Dibromofluoromethane (S)	%			103	58-145	
Toluene-d8 (S)	%			104	56-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131472 2131473

Parameter	Units	40216567004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/kg	<25.0	1490	1490	1490	1510	100	101	66-130	1	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1490	1490	2340	2200	157	148	70-133	6	20	M1
1,1,2-Trichloroethane	ug/kg	<25.0	1490	1490	1720	1710	116	115	70-130	0	20	
1,1-Dichloroethane	ug/kg	<25.0	1490	1490	1520	1550	102	104	69-143	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1490	1490	1360	1350	91	91	58-120	0	20	
1,2,4-Trichlorobenzene	ug/kg	<41.7	1490	1490	2340	2410	158	162	60-130	3	20	M1
1,2-Dibromo-3-chloropropane	ug/kg	<237	1490	1490	2180	1890	147	127	59-136	15	20	M1
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1490	1490	1820	1760	122	118	70-130	3	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1490	1490	2260	2140	152	144	70-130	6	20	M1
1,2-Dichloroethane	ug/kg	<25.0	1490	1490	1560	1470	105	99	70-136	5	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131472 2131473											
Parameter	Units	40216567004		MS		MSD		MS		MSD	
		Result	Conc.	Spike	Conc.	Result	Conc.	% Rec	% Rec	Limits	Max
										RPD	RPD
1,2-Dichloropropane	ug/kg	<25.0	1490	1490	1490	1540	1540	103	104	78-128	0
1,3-Dichlorobenzene	ug/kg	<25.0	1490	1490	1490	2190	2160	148	146	70-130	1
1,4-Dichlorobenzene	ug/kg	<25.0	1490	1490	1490	2070	2090	139	141	70-130	1
Benzene	ug/kg	<25.0	1490	1490	1490	1540	1540	104	104	70-130	0
Bromodichloromethane	ug/kg	<25.0	1490	1490	1490	1550	1560	104	105	70-130	1
Bromoform	ug/kg	<25.0	1490	1490	1490	1640	1580	110	106	63-130	4
Bromomethane	ug/kg	<63.8	1490	1490	1490	956	971	60	61	33-146	2
Carbon tetrachloride	ug/kg	<25.0	1490	1490	1490	1540	1530	104	103	65-130	1
Chlorobenzene	ug/kg	<25.0	1490	1490	1490	1720	1710	115	115	70-130	1
Chloroethane	ug/kg	<46.4	1490	1490	1490	1300	1290	87	86	46-156	1
Chloroform	ug/kg	<47.5	1490	1490	1490	1490	1530	100	103	75-130	2
Chloromethane	ug/kg	<25.0	1490	1490	1490	986	999	66	67	20-139	1
cis-1,2-Dichloroethene	ug/kg	<25.0	1490	1490	1490	1470	1490	99	100	69-130	1
cis-1,3-Dichloropropene	ug/kg	<42.3	1490	1490	1490	1410	1450	95	97	70-130	2
Dibromochloromethane	ug/kg	<229	1490	1490	1490	1710	1700	115	114	70-130	0
Dichlorodifluoromethane	ug/kg	<25.0	1490	1490	1490	697	689	47	46	10-99	1
Ethylbenzene	ug/kg	<25.0	1490	1490	1490	1710	1700	115	114	80-120	1
Isopropylbenzene (Cumene)	ug/kg	<25.0	1490	1490	1490	1750	1750	118	118	70-130	0
m&p-Xylene	ug/kg	<50.0	2970	2970	2970	3460	3450	116	116	70-130	0
Methyl-tert-butyl ether	ug/kg	<25.0	1490	1490	1490	1430	1380	96	93	70-130	4
Methylene Chloride	ug/kg	<26.3	1490	1490	1490	1370	1390	92	93	70-136	1
o-Xylene	ug/kg	<25.0	1490	1490	1490	1720	1670	115	113	70-130	2
Styrene	ug/kg	<25.0	1490	1490	1490	1770	1750	119	118	70-130	1
Tetrachloroethene	ug/kg	<38.7	1490	1490	1490	1670	1700	112	114	68-130	2
Toluene	ug/kg	<25.0	1490	1490	1490	1740	1720	117	116	80-120	1
trans-1,2-Dichloroethene	ug/kg	<25.0	1490	1490	1490	1360	1390	91	94	70-130	3
trans-1,3-Dichloropropene	ug/kg	<25.0	1490	1490	1490	1580	1480	106	100	70-130	6
Trichloroethene	ug/kg	<25.0	1490	1490	1490	1560	1540	105	103	70-130	1
Trichlorofluoromethane	ug/kg	<25.0	1490	1490	1490	1360	1340	91	90	53-128	1
Vinyl chloride	ug/kg	<25.0	1490	1490	1490	1170	1160	79	78	32-118	1
Xylene (Total)	ug/kg	<75.0	4460	4460	4460	5180	5120	116	115	70-130	1
4-Bromofluorobenzene (S)	%							119	118	52-137	
Dibromofluoromethane (S)	%							103	105	58-145	
Toluene-d8 (S)	%							120	118	56-140	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch: 368326 Analysis Method: EPA 8270
QC Batch Method: EPA 3546 Analysis Description: 8270 Solid MSSV Microwave
Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442001, 40216442002, 40216442003, 40216442004

METHOD BLANK: 2129207 Matrix: Solid
Associated Lab Samples: 40216442001, 40216442002, 40216442003, 40216442004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/kg	<90.6	302	10/15/20 13:57	
1-Methylnaphthalene	ug/kg	<47.6	159	10/15/20 13:57	
2-Methylnaphthalene	ug/kg	<43.4	145	10/15/20 13:57	
Acenaphthene	ug/kg	<59.3	198	10/15/20 13:57	
Acenaphthylene	ug/kg	<59.6	199	10/15/20 13:57	
Anthracene	ug/kg	<26.7	89.0	10/15/20 13:57	
Benzo(a)anthracene	ug/kg	<25.9	86.3	10/15/20 13:57	
Benzo(a)pyrene	ug/kg	<25.1	83.8	10/15/20 13:57	
Benzo(b)fluoranthene	ug/kg	<28.7	95.7	10/15/20 13:57	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	10/15/20 13:57	
Benzo(k)fluoranthene	ug/kg	<40.0	133	10/15/20 13:57	
Chrysene	ug/kg	<25.0	83.3	10/15/20 13:57	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	10/15/20 13:57	
Fluoranthene	ug/kg	<23.6	78.8	10/15/20 13:57	
Fluorene	ug/kg	<19.5	65.1	10/15/20 13:57	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.2	121	10/15/20 13:57	
Naphthalene	ug/kg	<58.4	195	10/15/20 13:57	
Pentachlorophenol	ug/kg	<36.8	123	10/15/20 13:57	
Phenanthrene	ug/kg	<21.4	71.5	10/15/20 13:57	
Pyrene	ug/kg	<37.0	123	10/15/20 13:57	
2,4,6-Tribromophenol (S)	%	87	10-153	10/15/20 13:57	
2-Fluorobiphenyl (S)	%	81	45-103	10/15/20 13:57	
2-Fluorophenol (S)	%	62	10-110	10/15/20 13:57	
Nitrobenzene-d5 (S)	%	65	17-110	10/15/20 13:57	
Phenol-d6 (S)	%	61	11-109	10/15/20 13:57	
Terphenyl-d14 (S)	%	99	46-100	10/15/20 13:57	

LABORATORY CONTROL SAMPLE: 2129208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1630	98	70-130	
2-Methylnaphthalene	ug/kg	1670	1610	97	69-130	
Acenaphthene	ug/kg	1670	1600	96	73-113	
Acenaphthylene	ug/kg	1670	1630	98	70-116	
Anthracene	ug/kg	1670	1690	101	70-121	
Benzo(a)anthracene	ug/kg	1670	1520	91	70-117	
Benzo(a)pyrene	ug/kg	1670	1610	97	67-111	
Benzo(b)fluoranthene	ug/kg	1670	1510	90	67-112	
Benzo(g,h,i)perylene	ug/kg	1670	1560	93	59-117	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2129208

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(k)fluoranthene	ug/kg	1670	1650	99	70-112	
Chrysene	ug/kg	1670	1590	95	65-125	
Dibenz(a,h)anthracene	ug/kg	1670	1390	83	37-123	
Fluoranthene	ug/kg	1670	1660	99	77-118	
Fluorene	ug/kg	1670	1620	97	70-118	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1410	85	53-115	
Naphthalene	ug/kg	1670	1590	96	70-113	
Pentachlorophenol	ug/kg	1670	947	57	43-101	
Phenanthrene	ug/kg	1670	1640	99	70-115	
Pyrene	ug/kg	1670	1600	96	70-126	
2,4,6-Tribromophenol (S)	%			91	10-153	
2-Fluorobiphenyl (S)	%			90	45-103	
2-Fluorophenol (S)	%			81	10-110	
Nitrobenzene-d5 (S)	%			81	17-110	
Phenol-d6 (S)	%			78	11-109	
Terphenyl-d14 (S)	%			91	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129209 2129210

Parameter	Units	10535042015 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<69.0	2420	2420	2220	2160	91	89	45-130	2	20	
2-Methylnaphthalene	ug/kg	<62.9	2420	2420	2160	2100	89	87	54-130	3	24	
Acenaphthene	ug/kg	<85.9	2420	2420	2120	2040	87	84	49-113	4	24	
Acenaphthylene	ug/kg	<86.4	2420	2420	2170	2170	90	90	52-116	0	25	
Anthracene	ug/kg	<38.7	2420	2420	2300	2270	95	94	50-121	2	27	
Benzo(a)anthracene	ug/kg	<37.5	2420	2420	2060	2100	84	86	50-117	2	24	
Benzo(a)pyrene	ug/kg	<36.4	2420	2420	2190	2190	90	90	35-121	0	24	
Benzo(b)fluoranthene	ug/kg	<41.6	2420	2420	2070	2110	85	87	45-112	2	27	
Benzo(g,h,i)perylene	ug/kg	<63.4	2420	2420	2140	2170	88	89	35-117	1	23	
Benzo(k)fluoranthene	ug/kg	<58.0	2420	2420	2030	2070	84	86	48-112	2	24	
Chrysene	ug/kg	<36.2	2420	2420	2120	2160	88	89	54-125	2	24	
Dibenz(a,h)anthracene	ug/kg	<65.8	2420	2420	2020	2020	83	83	29-124	0	29	
Fluoranthene	ug/kg	<34.3	2420	2420	2330	2360	96	97	57-121	1	29	
Fluorene	ug/kg	<28.3	2420	2420	2210	2130	91	88	53-118	4	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<52.4	2420	2420	2110	2100	86	86	33-118	1	29	
Naphthalene	ug/kg	<84.7	2420	2420	2060	2010	85	83	49-113	2	25	
Pentachlorophenol	ug/kg	<53.3	2420	2420	1740	1620	72	67	10-133	7	48	
Phenanthrene	ug/kg	<31.1	2420	2420	2150	2100	89	87	48-115	2	27	
Pyrene	ug/kg	<53.7	2420	2420	2180	2270	89	93	49-126	4	23	
2,4,6-Tribromophenol (S)	%						94	85	10-153			
2-Fluorobiphenyl (S)	%						84	80	45-103			
2-Fluorophenol (S)	%						73	73	10-110			
Nitrobenzene-d5 (S)	%						71	71	17-110			
Phenol-d6 (S)	%						71	67	11-109			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129209 2129210												
		10535042015	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits		Max RPD	Qual
Parameter	Units	Result								RPD		
Terphenyl-d14 (S)	%						84	85	46-100			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368327	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442005, 40216442006, 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024

METHOD BLANK: 2129211 Matrix: Solid

Associated Lab Samples: 40216442005, 40216442006, 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014, 40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,4-Dioxane (p-Dioxane)	ug/kg	<90.6	302	10/15/20 14:40	
1-Methylnaphthalene	ug/kg	<47.6	159	10/15/20 14:40	
2-Methylnaphthalene	ug/kg	<43.4	145	10/15/20 14:40	
Acenaphthene	ug/kg	<59.3	198	10/15/20 14:40	
Acenaphthylene	ug/kg	<59.6	199	10/15/20 14:40	
Anthracene	ug/kg	<26.7	89.0	10/15/20 14:40	
Benzo(a)anthracene	ug/kg	<25.9	86.3	10/15/20 14:40	
Benzo(a)pyrene	ug/kg	<25.1	83.8	10/15/20 14:40	
Benzo(b)fluoranthene	ug/kg	<28.7	95.7	10/15/20 14:40	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	10/15/20 14:40	
Benzo(k)fluoranthene	ug/kg	<40.0	133	10/15/20 14:40	
Chrysene	ug/kg	<25.0	83.3	10/15/20 14:40	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	10/15/20 14:40	
Fluoranthene	ug/kg	<23.6	78.8	10/15/20 14:40	
Fluorene	ug/kg	<19.5	65.1	10/15/20 14:40	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.2	121	10/15/20 14:40	
Naphthalene	ug/kg	<58.4	195	10/15/20 14:40	
Pentachlorophenol	ug/kg	<36.8	123	10/15/20 14:40	
Phenanthrene	ug/kg	<21.4	71.5	10/15/20 14:40	
Pyrene	ug/kg	<37.0	123	10/15/20 14:40	
2,4,6-Tribromophenol (S)	%	81	10-153	10/15/20 14:40	
2-Fluorobiphenyl (S)	%	75	45-103	10/15/20 14:40	
2-Fluorophenol (S)	%	65	10-110	10/15/20 14:40	
Nitrobenzene-d5 (S)	%	64	17-110	10/15/20 14:40	
Phenol-d6 (S)	%	62	11-109	10/15/20 14:40	
Terphenyl-d14 (S)	%	89	46-100	10/15/20 14:40	

LABORATORY CONTROL SAMPLE: 2129212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1560	93	70-130	
2-Methylnaphthalene	ug/kg	1670	1550	93	69-130	
Acenaphthene	ug/kg	1670	1560	94	73-113	
Acenaphthylene	ug/kg	1670	1620	97	70-116	
Anthracene	ug/kg	1670	1710	103	70-121	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2129212

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)anthracene	ug/kg	1670	1520	91	70-117	
Benzo(a)pyrene	ug/kg	1670	1650	99	67-111	
Benzo(b)fluoranthene	ug/kg	1670	1560	94	67-112	
Benzo(g,h,i)perylene	ug/kg	1670	1580	95	59-117	
Benzo(k)fluoranthene	ug/kg	1670	1630	98	70-112	
Chrysene	ug/kg	1670	1610	96	65-125	
Dibenz(a,h)anthracene	ug/kg	1670	1520	91	37-123	
Fluoranthene	ug/kg	1670	1690	102	77-118	
Fluorene	ug/kg	1670	1610	97	70-118	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1420	85	53-115	
Naphthalene	ug/kg	1670	1490	89	70-113	
Pentachlorophenol	ug/kg	1670	1090	65	43-101	
Phenanthrene	ug/kg	1670	1670	100	70-115	
Pyrene	ug/kg	1670	1630	98	70-126	
2,4,6-Tribromophenol (S)	%			94	10-153	
2-Fluorobiphenyl (S)	%			87	45-103	
2-Fluorophenol (S)	%			73	10-110	
Nitrobenzene-d5 (S)	%			75	17-110	
Phenol-d6 (S)	%			70	11-109	
Terphenyl-d14 (S)	%			92	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129213 2129214

Parameter	Units	40216442010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<53.6	1880	1880	1410	1440	75	76	45-130	2	20	
2-Methylnaphthalene	ug/kg	<48.9	1880	1880	1400	1430	74	76	54-130	2	24	
Acenaphthene	ug/kg	<66.8	1880	1880	1510	1530	80	81	49-113	1	24	
Acenaphthylene	ug/kg	<67.2	1880	1880	1500	1540	80	82	52-116	3	25	
Anthracene	ug/kg	<30.1	1880	1880	1580	1610	84	85	50-121	1	27	
Benzo(a)anthracene	ug/kg	<29.2	1880	1880	1420	1440	76	76	50-117	1	24	
Benzo(a)pyrene	ug/kg	<28.3	1880	1880	1440	1510	76	80	35-121	5	24	
Benzo(b)fluoranthene	ug/kg	<32.4	1880	1880	1380	1440	73	77	45-112	5	27	
Benzo(g,h,i)perylene	ug/kg	<49.3	1880	1880	1460	1510	77	79	35-117	3	23	
Benzo(k)fluoranthene	ug/kg	<45.1	1880	1880	1570	1630	84	87	48-112	4	24	
Chrysene	ug/kg	<28.2	1880	1880	1590	1600	84	85	54-125	1	24	
Dibenz(a,h)anthracene	ug/kg	<51.2	1880	1880	1220	1200	65	63	29-124	2	29	
Fluoranthene	ug/kg	<26.7	1880	1880	1570	1600	83	85	57-121	2	29	
Fluorene	ug/kg	<22.0	1880	1880	1510	1540	80	82	53-118	2	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<40.8	1880	1880	1110	1090	59	58	33-118	2	29	
Naphthalene	ug/kg	<65.9	1880	1880	1280	1330	68	71	49-113	4	25	
Pentachlorophenol	ug/kg	<41.5	1880	1880	994	910	53	48	10-133	9	48	
Phenanthrene	ug/kg	<24.2	1880	1880	1570	1590	83	84	48-115	1	27	
Pyrene	ug/kg	<41.8	1880	1880	1610	1600	85	85	49-126	1	23	
2,4,6-Tribromophenol (S)	%						74	80	10-153			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129213 2129214												
Parameter	Units	40216442010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Fluorobiphenyl (S)	%						73	77	45-103			
Nitrobenzene-d5 (S)	%						54	59	17-110			
Terphenyl-d14 (S)	%						78	79	46-100			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368472	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037, 40216442038, 40216442040, 40216442041, 40216442042

METHOD BLANK:	2130119	Matrix:	Solid
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Associated Lab Samples: 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034, 40216442035, 40216442036, 40216442037, 40216442038, 40216442040, 40216442041, 40216442042

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<47.5	158	10/16/20 14:42	
2-Methylnaphthalene	ug/kg	<43.4	145	10/16/20 14:42	
Acenaphthene	ug/kg	<59.2	197	10/16/20 14:42	
Acenaphthylene	ug/kg	<59.6	199	10/16/20 14:42	
Anthracene	ug/kg	<26.7	88.9	10/16/20 14:42	
Benzo(a)anthracene	ug/kg	<25.9	86.2	10/16/20 14:42	
Benzo(a)pyrene	ug/kg	28.8J	83.7	10/16/20 14:42	
Benzo(b)fluoranthene	ug/kg	<28.7	95.6	10/16/20 14:42	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	10/16/20 14:42	
Benzo(k)fluoranthene	ug/kg	<40.0	133	10/16/20 14:42	
Chrysene	ug/kg	<25.0	83.2	10/16/20 14:42	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	10/16/20 14:42	
Fluoranthene	ug/kg	<23.6	78.8	10/16/20 14:42	
Fluorene	ug/kg	<19.5	65.1	10/16/20 14:42	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.1	120	10/16/20 14:42	
Naphthalene	ug/kg	<58.4	195	10/16/20 14:42	
Pentachlorophenol	ug/kg	<36.8	123	10/16/20 14:42	
Phenanthrene	ug/kg	<21.4	71.4	10/16/20 14:42	
Pyrene	ug/kg	<37.0	123	10/16/20 14:42	
2,4,6-Tribromophenol (S)	%	77	10-153	10/16/20 14:42	
2-Fluorobiphenyl (S)	%	76	45-103	10/16/20 14:42	
2-Fluorophenol (S)	%	54	10-110	10/16/20 14:42	
Nitrobenzene-d5 (S)	%	56	17-110	10/16/20 14:42	
Phenol-d6 (S)	%	56	11-109	10/16/20 14:42	
Terphenyl-d14 (S)	%	90	46-100	10/16/20 14:42	

LABORATORY CONTROL SAMPLE: 2130120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1590	95	70-130	
2-Methylnaphthalene	ug/kg	1670	1590	96	69-130	
Acenaphthene	ug/kg	1670	1620	97	73-113	
Acenaphthylene	ug/kg	1670	1640	98	70-116	
Anthracene	ug/kg	1670	1750	105	70-121	
Benzo(a)anthracene	ug/kg	1670	1510	91	70-117	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2130120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzo(a)pyrene	ug/kg	1670	1560	94	67-111	
Benzo(b)fluoranthene	ug/kg	1670	1470	88	67-112	
Benzo(g,h,i)perylene	ug/kg	1670	1420	85	59-117	
Benzo(k)fluoranthene	ug/kg	1670	1640	98	70-112	
Chrysene	ug/kg	1670	1750	105	65-125	
Dibenz(a,h)anthracene	ug/kg	1670	1180	71	37-123	
Fluoranthene	ug/kg	1670	1660	100	77-118	
Fluorene	ug/kg	1670	1640	98	70-118	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1140	68	53-115	
Naphthalene	ug/kg	1670	1540	92	70-113	
Pentachlorophenol	ug/kg	1670	922	55	43-101	
Phenanthrene	ug/kg	1670	1710	102	70-115	
Pyrene	ug/kg	1670	1730	104	70-126	
2,4,6-Tribromophenol (S)	%			87	10-153	
2-Fluorobiphenyl (S)	%			90	45-103	
2-Fluorophenol (S)	%			74	10-110	
Nitrobenzene-d5 (S)	%			76	17-110	
Phenol-d6 (S)	%			71	11-109	
Terphenyl-d14 (S)	%			96	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130121 2130122

Parameter	Units	40216442039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<49.7			1340	1080				22	20	R1
2-Methylnaphthalene	ug/kg	<45.3			1280	1030				22	24	
Acenaphthene	ug/kg	<61.9			1280	1060				19	24	
Acenaphthylene	ug/kg	<62.2			1330	1120				18	25	
Anthracene	ug/kg	<27.9			1430	1190				18	27	
Benzo(a)anthracene	ug/kg	<27.0			1220	1040				16	24	
Benzo(a)pyrene	ug/kg	<26.2			1230	1080				13	24	
Benzo(b)fluoranthene	ug/kg	<30.0			1120	986				13	27	
Benzo(g,h,i)perylene	ug/kg	<45.6			1230	1060				15	23	
Benzo(k)fluoranthene	ug/kg	<41.8			1270	1120				12	24	
Chrysene	ug/kg	<26.1			1310	1110				16	24	
Dibenz(a,h)anthracene	ug/kg	<47.4			1080	984				9	29	
Fluoranthene	ug/kg	<24.7			1420	1170				19	29	
Fluorene	ug/kg	<20.4			1350	1130				18	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<37.7			1060	938				12	29	
Naphthalene	ug/kg	<61.0			1230	954				26	25	R1
Pentachlorophenol	ug/kg	<38.4			560	528				6	48	
Phenanthrene	ug/kg	<22.4			1300	1070				19	27	
Pyrene	ug/kg	<38.7			1310	1090				18	23	
2,4,6-Tribromophenol (S)	%						73	62	10-153			
2-Fluorobiphenyl (S)	%						69	56	45-103			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2130121 2130122												
Parameter	Units	40216442039 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Nitrobenzene-d5 (S)	%						59	45	17-110			
Terphenyl-d14 (S)	%						68	57	46-100			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	368626	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442043, 40216442044

METHOD BLANK: 2131417 Matrix: Solid

Associated Lab Samples: 40216442043, 40216442044

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<47.6	159	10/20/20 08:29	
2-Methylnaphthalene	ug/kg	<43.4	145	10/20/20 08:29	
Acenaphthene	ug/kg	<59.3	198	10/20/20 08:29	
Acenaphthylene	ug/kg	<59.6	199	10/20/20 08:29	
Anthracene	ug/kg	<26.7	89.0	10/20/20 08:29	
Benzo(a)anthracene	ug/kg	<25.9	86.3	10/20/20 08:29	
Benzo(a)pyrene	ug/kg	<25.1	83.8	10/20/20 08:29	
Benzo(b)fluoranthene	ug/kg	<28.7	95.7	10/20/20 08:29	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	10/20/20 08:29	
Benzo(k)fluoranthene	ug/kg	<40.0	133	10/20/20 08:29	
Chrysene	ug/kg	<25.0	83.3	10/20/20 08:29	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	10/20/20 08:29	
Fluoranthene	ug/kg	<23.6	78.8	10/20/20 08:29	
Fluorene	ug/kg	<19.5	65.1	10/20/20 08:29	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.2	121	10/20/20 08:29	
Naphthalene	ug/kg	<58.4	195	10/20/20 08:29	
Pentachlorophenol	ug/kg	<36.8	123	10/20/20 08:29	
Phenanthrene	ug/kg	<21.4	71.5	10/20/20 08:29	
Pyrene	ug/kg	<37.0	123	10/20/20 08:29	
2,4,6-Tribromophenol (S)	%	84	10-153	10/20/20 08:29	
2-Fluorobiphenyl (S)	%	82	45-103	10/20/20 08:29	
2-Fluorophenol (S)	%	64	10-110	10/20/20 08:29	
Nitrobenzene-d5 (S)	%	68	17-110	10/20/20 08:29	
Phenol-d6 (S)	%	63	11-109	10/20/20 08:29	
Terphenyl-d14 (S)	%	102	46-100	10/20/20 08:29	S3

LABORATORY CONTROL SAMPLE: 2131418

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1580	95	70-130	
2-Methylnaphthalene	ug/kg	1670	1560	93	69-130	
Acenaphthene	ug/kg	1670	1570	94	73-113	
Acenaphthylene	ug/kg	1670	1610	97	70-116	
Anthracene	ug/kg	1670	1680	101	70-121	
Benzo(a)anthracene	ug/kg	1670	1510	90	70-117	
Benzo(a)pyrene	ug/kg	1670	1540	92	67-111	
Benzo(b)fluoranthene	ug/kg	1670	1490	89	67-112	
Benzo(g,h,i)perylene	ug/kg	1670	1520	91	59-117	
Benzo(k)fluoranthene	ug/kg	1670	1520	91	70-112	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2131418

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chrysene	ug/kg	1670	1570	94	65-125	
Dibenz(a,h)anthracene	ug/kg	1670	1450	87	37-123	
Fluoranthene	ug/kg	1670	1680	101	77-118	
Fluorene	ug/kg	1670	1580	95	70-118	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1460	88	53-115	
Naphthalene	ug/kg	1670	1530	92	70-113	
Pentachlorophenol	ug/kg	1670	1140	69	43-101	
Phenanthrene	ug/kg	1670	1640	98	70-115	
Pyrene	ug/kg	1670	1680	101	70-126	
2,4,6-Tribromophenol (S)	%			92	10-153	
2-Fluorobiphenyl (S)	%			89	45-103	
2-Fluorophenol (S)	%			73	10-110	
Nitrobenzene-d5 (S)	%			77	17-110	
Phenol-d6 (S)	%			70	11-109	
Terphenyl-d14 (S)	%			96	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131419 2131420

Parameter	Units	40216730005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<56.0	1970	1970	1810	1770	90	88	45-130	2	20	
2-Methylnaphthalene	ug/kg	<0.051 mg/kg	1970	1970	1780	1740	90	88	54-130	2	24	
Acenaphthene	ug/kg	<0.070 mg/kg	1970	1970	1800	1710	89	85	49-113	5	24	
Acenaphthylene	ug/kg	<0.070 mg/kg	1970	1970	1830	1750	93	89	52-116	5	25	
Anthracene	ug/kg	<0.031 mg/kg	1970	1970	1920	1900	96	95	50-121	1	27	
Benzo(a)anthracene	ug/kg	<0.030 mg/kg	1970	1970	1810	2030	91	102	50-117	11	24	
Benzo(a)pyrene	ug/kg	<0.030 mg/kg	1970	1970	1840	1870	93	95	35-121	2	24	
Benzo(b)fluoranthene	ug/kg	<0.034 mg/kg	1970	1970	1710	1760	86	89	45-112	3	27	
Benzo(g,h,i)perylene	ug/kg	<0.051 mg/kg	1970	1970	1770	1750	89	88	35-117	1	23	
Benzo(k)fluoranthene	ug/kg	<0.047 mg/kg	1970	1970	1700	1690	86	86	48-112	1	24	
Chrysene	ug/kg	<0.029 mg/kg	1970	1970	1840	2140	93	108	54-125	15	24	
Dibenz(a,h)anthracene	ug/kg	<0.053 mg/kg	1970	1970	1640	1570	83	80	29-124	4	29	
Fluoranthene	ug/kg	0.056J mg/kg	1970	1970	2200	2510	109	125	57-121	13	29 M1	
Fluorene	ug/kg	0.074J mg/kg	1970	1970	1870	1780	91	87	53-118	5	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<0.043 mg/kg	1970	1970	1730	1650	87	83	33-118	5	29	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			2131419		2131420							
Parameter	Units	40216730005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Naphthalene	ug/kg	<0.069 mg/kg	1970	1970	1730	1680	88	86	49-113	3	25	
Pentachlorophenol	ug/kg	<0.043 mg/kg	1970	1970	1060	980	54	50	10-133	8	48	
Phenanthrene	ug/kg	0.12 mg/kg	1970	1970	2010	2050	96	98	48-115	2	27	
Pyrene	ug/kg	0.078J mg/kg	1970	1970	2110	2650	103	131	49-126	23	23	M1
2,4,6-Tribromophenol (S)	%						92	82	10-153			
2-Fluorobiphenyl (S)	%						84	80	45-103			
2-Fluorophenol (S)	%						75	68	10-110			
Nitrobenzene-d5 (S)	%						74	70	17-110			
Phenol-d6 (S)	%						70	64	11-109			
Terphenyl-d14 (S)	%						81	84	46-100			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	369031	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3546	Analysis Description:	8270 Solid MSSV Microwave
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216442039

METHOD BLANK: 2133341 Matrix: Solid

Associated Lab Samples: 40216442039

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/kg	<47.6	159	10/22/20 10:54	
2-Methylnaphthalene	ug/kg	<43.4	145	10/22/20 10:54	
Acenaphthene	ug/kg	<59.2	197	10/22/20 10:54	
Acenaphthylene	ug/kg	<59.6	199	10/22/20 10:54	
Anthracene	ug/kg	<26.7	89.0	10/22/20 10:54	
Benzo(a)anthracene	ug/kg	<25.9	86.2	10/22/20 10:54	
Benzo(a)pyrene	ug/kg	33.8J	83.8	10/22/20 10:54	
Benzo(b)fluoranthene	ug/kg	<28.7	95.7	10/22/20 10:54	
Benzo(g,h,i)perylene	ug/kg	<43.7	146	10/22/20 10:54	
Benzo(k)fluoranthene	ug/kg	<40.0	133	10/22/20 10:54	
Chrysene	ug/kg	<25.0	83.2	10/22/20 10:54	
Dibenz(a,h)anthracene	ug/kg	<45.4	151	10/22/20 10:54	
Fluoranthene	ug/kg	<23.6	78.8	10/22/20 10:54	
Fluorene	ug/kg	<19.5	65.1	10/22/20 10:54	
Indeno(1,2,3-cd)pyrene	ug/kg	<36.1	120	10/22/20 10:54	
Naphthalene	ug/kg	<58.4	195	10/22/20 10:54	
Pentachlorophenol	ug/kg	<36.8	123	10/22/20 10:54	
Phenanthrene	ug/kg	<21.4	71.4	10/22/20 10:54	
Pyrene	ug/kg	<37.0	123	10/22/20 10:54	
2,4,6-Tribromophenol (S)	%	89	10-153	10/22/20 10:54	
2-Fluorobiphenyl (S)	%	74	45-103	10/22/20 10:54	
2-Fluorophenol (S)	%	61	10-110	10/22/20 10:54	
Nitrobenzene-d5 (S)	%	62	17-110	10/22/20 10:54	
Phenol-d6 (S)	%	57	11-109	10/22/20 10:54	
Terphenyl-d14 (S)	%	96	46-100	10/22/20 10:54	

LABORATORY CONTROL SAMPLE: 2133342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/kg	1670	1590	95	70-130	
2-Methylnaphthalene	ug/kg	1670	1570	95	69-130	
Acenaphthene	ug/kg	1670	1530	92	73-113	
Acenaphthylene	ug/kg	1670	1560	94	70-116	
Anthracene	ug/kg	1670	1670	100	70-121	
Benzo(a)anthracene	ug/kg	1670	1450	87	70-117	
Benzo(a)pyrene	ug/kg	1670	1510	91	67-111	
Benzo(b)fluoranthene	ug/kg	1670	1390	84	67-112	
Benzo(g,h,i)perylene	ug/kg	1670	1490	90	59-117	
Benzo(k)fluoranthene	ug/kg	1670	1520	91	70-112	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

LABORATORY CONTROL SAMPLE: 2133342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chrysene	ug/kg	1670	1590	96	65-125	
Dibenz(a,h)anthracene	ug/kg	1670	1350	81	37-123	
Fluoranthene	ug/kg	1670	1690	102	77-118	
Fluorene	ug/kg	1670	1570	94	70-118	
Indeno(1,2,3-cd)pyrene	ug/kg	1670	1330	80	53-115	
Naphthalene	ug/kg	1670	1480	89	70-113	
Pentachlorophenol	ug/kg	1670	1230	74	43-101	
Phenanthrene	ug/kg	1670	1590	96	70-115	
Pyrene	ug/kg	1670	1650	99	70-126	
2,4,6-Tribromophenol (S)	%			99	10-153	
2-Fluorobiphenyl (S)	%			89	45-103	
2-Fluorophenol (S)	%			73	10-110	
Nitrobenzene-d5 (S)	%			77	17-110	
Phenol-d6 (S)	%			71	11-109	
Terphenyl-d14 (S)	%			98	46-100	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2133343 2133344

Parameter	Units	10535651002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/kg	<62.5	2200	2200	1560	1990	71	90	45-130	24	20	R1
2-Methylnaphthalene	ug/kg	<57.0	2200	2200	1520	1930	69	88	54-130	24	24	
Acenaphthene	ug/kg	309	2200	2200	1770	2210	67	87	49-113	22	24	
Acenaphthylene	ug/kg	<78.2	2200	2200	1580	1960	72	89	52-116	21	25	
Anthracene	ug/kg	<35.1	2200	2200	1850	2060	84	94	50-121	11	27	
Benzo(a)anthracene	ug/kg	<34.0	2200	2200	1550	1950	70	88	50-117	23	24	
Benzo(a)pyrene	ug/kg	<33.0	2200	2200	1550	2000	70	90	35-121	25	24	R1
Benzo(b)fluoranthene	ug/kg	<37.7	2200	2200	1450	1890	65	85	45-112	27	27	
Benzo(g,h,i)perylene	ug/kg	<57.4	2200	2200	1590	2010	70	90	35-117	23	23	
Benzo(k)fluoranthene	ug/kg	<52.5	2200	2200	1500	1900	68	86	48-112	23	24	
Chrysene	ug/kg	<32.8	2200	2200	1650	2030	74	92	54-125	21	24	
Dibenz(a,h)anthracene	ug/kg	<59.6	2200	2200	1340	1810	60	82	29-124	29	29	
Fluoranthene	ug/kg	48.6J	2200	2200	1830	2260	81	101	57-121	21	29	
Fluorene	ug/kg	272	2200	2200	1870	2270	73	91	53-118	19	20	
Indeno(1,2,3-cd)pyrene	ug/kg	<47.5	2200	2200	1400	1910	62	85	33-118	31	29	R1
Naphthalene	ug/kg	<76.7	2200	2200	1440	1800	63	80	49-113	22	25	
Pentachlorophenol	ug/kg	<48.3	2200	2200	1290	1790	59	82	10-133	32	48	
Phenanthrene	ug/kg	47.1J	2200	2200	1820	2000	81	89	48-115	9	27	
Pyrene	ug/kg	<48.6	2200	2200	1730	1970	77	88	49-126	13	23	
2,4,6-Tribromophenol (S)	%						72	97	10-153			
2-Fluorobiphenyl (S)	%						61	79	45-103			
2-Fluorophenol (S)	%						51	60	10-110			
Nitrobenzene-d5 (S)	%						49	65	17-110			
Phenol-d6 (S)	%						50	64	11-109			
Terphenyl-d14 (S)	%						67	84	46-100			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

QC Batch:	368196	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40216442001, 40216442002, 40216442003, 40216442004, 40216442005, 40216442006, 40216442007, 40216442008, 40216442009, 40216442010, 40216442011, 40216442012, 40216442013, 40216442014		

SAMPLE DUPLICATE: 2128415

Parameter	Units	40216434020 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	19.2	19.3	0	10	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

QC Batch:	368197	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40216442015, 40216442016, 40216442017, 40216442018, 40216442019, 40216442020, 40216442021, 40216442022, 40216442023, 40216442024, 40216442025, 40216442026, 40216442027, 40216442028, 40216442029, 40216442030, 40216442031, 40216442032, 40216442033, 40216442034		

SAMPLE DUPLICATE: 2128416

Parameter	Units	40216442022 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	5.4	5.1	5	10	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

QC Batch:	368200	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
		Laboratory:	Pace Analytical Services - Green Bay
Associated Lab Samples:	40216442035, 40216442036, 40216442037, 40216442038, 40216442039, 40216442040, 40216442041, 40216442042, 40216442043, 40216442044		

SAMPLE DUPLICATE: 2128420

Parameter	Units	40216442036 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	2.6	2.7	1	10	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

QC Batch: 1568770

Analysis Method: SM 2540G

QC Batch Method: SM 2540 G

Analysis Description: Total Solids 2540 G-2011

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 40216442001

METHOD BLANK: R3588629-1

Matrix: Solid

Associated Lab Samples: 40216442001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Solids	%	ND		11/02/20 14:37	

LABORATORY CONTROL SAMPLE: R3588629-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Solids	%	50.0	50.0	100	85.0-115	

SAMPLE DUPLICATE: R3588629-3

Parameter	Units	40216442001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Solids	%	72.1	71.6	0.668	10	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

QC Batch:	1568956	Analysis Method:	EPA 7196A
QC Batch Method:	3060A	Analysis Description:	Wet Chemistry 3060A/7196A
		Laboratory:	Pace National - Mt. Juliet

Associated Lab Samples: 40216442001

METHOD BLANK: R3589271-1 Matrix: Solid
Associated Lab Samples: 40216442001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/kg	<0.640	2.13	11/04/20 13:14	

LABORATORY CONTROL SAMPLE: R3589271-2

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	24.0	24.2	101	80.0-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: R3589271-4 R3589271-5

Parameter	Units	L1279933-03 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/kg	ND	20.0	20.0	17.5	17.8	87.6	89.0	75.0-125	1.59	20	

MATRIX SPIKE SAMPLE: R3589271-6

Parameter	Units	L1279933-03 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/kg	ND	647	650	100	75.0-125	

SAMPLE DUPLICATE: R3589271-3

Parameter	Units	L1279933-02 Result	Dup Result	RPD	Max RPD	Qualifiers
Chromium, Hexavalent	mg/kg	ND	<0.640	0.00	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALIFIERS

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216442

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 40216442

[1] Revised report per client request to add Hex Cr to sample SB-1 (4-8). 11/4/20 CDH

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

S0 Surrogate recovery outside laboratory control limits.

S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample.

W Non-detect results are reported on a wet weight basis.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216442001	SB-1 (4'-8')	EPA 3050	368357	EPA 6010	368532
40216442002	SB-1 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442003	SB-2 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442004	SB-2 (4'-8')	EPA 3050	368357	EPA 6010	368532
40216442005	SB-3 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442006	SB-3 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442007	SB-4 (0.5'-4')	EPA 3050	368357	EPA 6010	368532
40216442008	SB-4 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442009	SB-7 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442010	SB-7 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442011	SB-8 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442012	SB-8 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442013	SB-14 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442014	SB-14 (4'-8')	EPA 3050	368357	EPA 6010	368532
40216442015	SB-15 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442016	SB-15 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442017	SB-16 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442018	SB-16 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442019	SB-17 (0'-4')	EPA 3050	368357	EPA 6010	368532
40216442020	SB-17 (8'-12')	EPA 3050	368357	EPA 6010	368532
40216442021	SB-18 (0.5'-4')	EPA 3050	368358	EPA 6010	368530
40216442022	SB-18 (10'-12')	EPA 3050	368358	EPA 6010	368530
40216442023	SB-19 (0.5'-4')	EPA 3050	368358	EPA 6010	368530
40216442024	SB-19 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442025	SB-5 (0'-4')	EPA 3050	368358	EPA 6010	368530
40216442026	SB-5 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442027	SB-6 (0'-4')	EPA 3050	368358	EPA 6010	368530
40216442028	SB-6 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442029	SB-9 (0'-4')	EPA 3050	368358	EPA 6010	368530
40216442030	SB-9 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442031	SB-10 (0'-4')	EPA 3050	368358	EPA 6010	368530
40216442032	SB-10 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442033	SB-11 (0'-4')	EPA 3050	368358	EPA 6010	368530
40216442034	SB-11 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442035	SB-12 (0'-4')	EPA 3050	368358	EPA 6010	368530
40216442036	SB-12 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442037	SB-13 (0.5'-4')	EPA 3050	368358	EPA 6010	368530
40216442038	SB-13 (8'-12')	EPA 3050	368358	EPA 6010	368530
40216442039	SBGW-1 (3'-7')	EPA 3050	368358	EPA 6010	368530
40216442040	SBGW-1 (11'-15')	EPA 3050	368358	EPA 6010	368530
40216442041	SBGW-2 (0.5'-4')	EPA 3050	368467	EPA 6010	368537
40216442042	SBGW-2 (12'-16')	EPA 3050	368467	EPA 6010	368537
40216442043	SBGW-3 (0'-4')	EPA 3050	368467	EPA 6010	368537
40216442044	SBGW-3 (8'-12')	EPA 3050	368467	EPA 6010	368537
40216442001	SB-1 (4'-8')	EPA 7471	368337	EPA 7471	368353
40216442002	SB-1 (8'-12')	EPA 7471	368337	EPA 7471	368353
40216442003	SB-2 (0'-4')	EPA 7471	368337	EPA 7471	368353

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216442004	SB-2 (4'-8')	EPA 7471	368337	EPA 7471	368353
40216442005	SB-3 (0'-4')	EPA 7471	368337	EPA 7471	368353
40216442006	SB-3 (8'-12')	EPA 7471	368337	EPA 7471	368353
40216442007	SB-4 (0.5'-4')	EPA 7471	368337	EPA 7471	368353
40216442008	SB-4 (8'-12')	EPA 7471	368337	EPA 7471	368353
40216442009	SB-7 (0'-4')	EPA 7471	368337	EPA 7471	368353
40216442010	SB-7 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442011	SB-8 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442012	SB-8 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442013	SB-14 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442014	SB-14 (4'-8')	EPA 7471	368338	EPA 7471	368374
40216442015	SB-15 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442016	SB-15 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442017	SB-16 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442018	SB-16 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442019	SB-17 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442020	SB-17 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442021	SB-18 (0.5'-4')	EPA 7471	368338	EPA 7471	368374
40216442022	SB-18 (10'-12')	EPA 7471	368338	EPA 7471	368374
40216442023	SB-19 (0.5'-4')	EPA 7471	368338	EPA 7471	368374
40216442024	SB-19 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442025	SB-5 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442026	SB-5 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442027	SB-6 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442028	SB-6 (8'-12')	EPA 7471	368338	EPA 7471	368374
40216442029	SB-9 (0'-4')	EPA 7471	368338	EPA 7471	368374
40216442030	SB-9 (8'-12')	EPA 7471	368481	EPA 7471	368757
40216442031	SB-10 (0'-4')	EPA 7471	368481	EPA 7471	368757
40216442032	SB-10 (8'-12')	EPA 7471	368481	EPA 7471	368757
40216442033	SB-11 (0'-4')	EPA 7471	368481	EPA 7471	368757
40216442034	SB-11 (8'-12')	EPA 7471	368481	EPA 7471	368757
40216442035	SB-12 (0'-4')	EPA 7471	368481	EPA 7471	368757
40216442036	SB-12 (8'-12')	EPA 7471	368481	EPA 7471	368757
40216442037	SB-13 (0.5'-4')	EPA 7471	368481	EPA 7471	368757
40216442038	SB-13 (8'-12')	EPA 7471	368481	EPA 7471	368757
40216442039	SBGW-1 (3'-7')	EPA 7471	368481	EPA 7471	368757
40216442040	SBGW-1 (11'-15')	EPA 7471	368481	EPA 7471	368757
40216442041	SBGW-2 (0.5'-4')	EPA 7471	368481	EPA 7471	368757
40216442042	SBGW-2 (12'-16')	EPA 7471	368481	EPA 7471	368757
40216442043	SBGW-3 (0'-4')	EPA 7471	368481	EPA 7471	368757
40216442044	SBGW-3 (8'-12')	EPA 7471	368481	EPA 7471	368757
40216442001	SB-1 (4'-8')	EPA 3546	368326	EPA 8270	368388
40216442002	SB-1 (8'-12')	EPA 3546	368326	EPA 8270	368388
40216442003	SB-2 (0'-4')	EPA 3546	368326	EPA 8270	368388
40216442004	SB-2 (4'-8')	EPA 3546	368326	EPA 8270	368388
40216442005	SB-3 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442006	SB-3 (8'-12')	EPA 3546	368327	EPA 8270	368396

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216442007	SB-4 (0.5'-4')	EPA 3546	368327	EPA 8270	368396
40216442008	SB-4 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442009	SB-7 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442010	SB-7 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442011	SB-8 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442012	SB-8 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442013	SB-14 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442014	SB-14 (4'-8')	EPA 3546	368327	EPA 8270	368396
40216442015	SB-15 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442016	SB-15 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442017	SB-16 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442018	SB-16 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442019	SB-17 (0'-4')	EPA 3546	368327	EPA 8270	368396
40216442020	SB-17 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442021	SB-18 (0.5'-4')	EPA 3546	368327	EPA 8270	368396
40216442022	SB-18 (10'-12')	EPA 3546	368327	EPA 8270	368396
40216442023	SB-19 (0.5'-4')	EPA 3546	368327	EPA 8270	368396
40216442024	SB-19 (8'-12')	EPA 3546	368327	EPA 8270	368396
40216442025	SB-5 (0'-4')	EPA 3546	368472	EPA 8270	368516
40216442026	SB-5 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442027	SB-6 (0'-4')	EPA 3546	368472	EPA 8270	368516
40216442028	SB-6 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442029	SB-9 (0'-4')	EPA 3546	368472	EPA 8270	368516
40216442030	SB-9 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442031	SB-10 (0'-4')	EPA 3546	368472	EPA 8270	368516
40216442032	SB-10 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442033	SB-11 (0'-4')	EPA 3546	368472	EPA 8270	368516
40216442034	SB-11 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442035	SB-12 (0'-4')	EPA 3546	368472	EPA 8270	368516
40216442036	SB-12 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442037	SB-13 (0.5'-4')	EPA 3546	368472	EPA 8270	368516
40216442038	SB-13 (8'-12')	EPA 3546	368472	EPA 8270	368516
40216442039	SBGW-1 (3'-7')	EPA 3546	369031	EPA 8270	369079
40216442040	SBGW-1 (11'-15')	EPA 3546	368472	EPA 8270	368516
40216442041	SBGW-2 (0.5'-4')	EPA 3546	368472	EPA 8270	368516
40216442042	SBGW-2 (12'-16')	EPA 3546	368472	EPA 8270	368516
40216442043	SBGW-3 (0'-4')	EPA 3546	368626	EPA 8270	368663
40216442044	SBGW-3 (8'-12')	EPA 3546	368626	EPA 8270	368663
40216442001	SB-1 (4'-8')	EPA 5035/5030B	368373	EPA 8260	368375
40216442002	SB-1 (8'-12')	EPA 5035/5030B	368373	EPA 8260	368375
40216442003	SB-2 (0'-4')	EPA 5035/5030B	368407	EPA 8260	368410
40216442004	SB-2 (4'-8')	EPA 5035/5030B	368407	EPA 8260	368410
40216442005	SB-3 (0'-4')	EPA 5035/5030B	368407	EPA 8260	368410
40216442006	SB-3 (8'-12')	EPA 5035/5030B	368407	EPA 8260	368410
40216442007	SB-4 (0.5'-4')	EPA 5035/5030B	368506	EPA 8260	368525

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216442008	SB-4 (8'-12')	EPA 5035/5030B	368506	EPA 8260	368525
40216442009	SB-7 (0'-4')	EPA 5035/5030B	368506	EPA 8260	368525
40216442010	SB-7 (8'-12')	EPA 5035/5030B	368506	EPA 8260	368525
40216442011	SB-8 (0'-4')	EPA 5035/5030B	368506	EPA 8260	368525
40216442012	SB-8 (8'-12')	EPA 5035/5030B	368506	EPA 8260	368525
40216442013	SB-14 (0'-4')	EPA 5035/5030B	368506	EPA 8260	368525
40216442014	SB-14 (4'-8')	EPA 5035/5030B	368506	EPA 8260	368525
40216442015	SB-15 (0'-4')	EPA 5035/5030B	368506	EPA 8260	368525
40216442016	SB-15 (8'-12')	EPA 5035/5030B	368506	EPA 8260	368525
40216442017	SB-16 (0'-4')	EPA 5035/5030B	368506	EPA 8260	368525
40216442018	SB-16 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442019	SB-17 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442020	SB-17 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442021	SB-18 (0.5'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442022	SB-18 (10'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442023	SB-19 (0.5'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442024	SB-19 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442025	SB-5 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442026	SB-5 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442027	SB-6 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442028	SB-6 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442029	SB-9 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442030	SB-9 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442031	SB-10 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442032	SB-10 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442033	SB-11 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442034	SB-11 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442035	SB-12 (0'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442036	SB-12 (8'-12')	EPA 5035/5030B	368508	EPA 8260	368526
40216442037	SB-13 (0.5'-4')	EPA 5035/5030B	368508	EPA 8260	368526
40216442038	SB-13 (8'-12')	EPA 5035/5030B	368636	EPA 8260	368638
40216442039	SBGW-1 (3'-7')	EPA 5035/5030B	368636	EPA 8260	368638
40216442040	SBGW-1 (11'-15')	EPA 5035/5030B	368636	EPA 8260	368638
40216442041	SBGW-2 (0.5'-4')	EPA 5035/5030B	368636	EPA 8260	368638
40216442042	SBGW-2 (12'-16')	EPA 5035/5030B	368636	EPA 8260	368638
40216442043	SBGW-3 (0'-4')	EPA 5035/5030B	368636	EPA 8260	368638
40216442044	SBGW-3 (8'-12')	EPA 5035/5030B	368636	EPA 8260	368638
40216442001	SB-1 (4'-8')	ASTM D2974-87	368196		
40216442002	SB-1 (8'-12')	ASTM D2974-87	368196		
40216442003	SB-2 (0'-4')	ASTM D2974-87	368196		
40216442004	SB-2 (4'-8')	ASTM D2974-87	368196		
40216442005	SB-3 (0'-4')	ASTM D2974-87	368196		
40216442006	SB-3 (8'-12')	ASTM D2974-87	368196		
40216442007	SB-4 (0.5'-4')	ASTM D2974-87	368196		
40216442008	SB-4 (8'-12')	ASTM D2974-87	368196		
40216442009	SB-7 (0'-4')	ASTM D2974-87	368196		
40216442010	SB-7 (8'-12')	ASTM D2974-87	368196		

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216442

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216442011	SB-8 (0'-4')	ASTM D2974-87	368196		
40216442012	SB-8 (8'-12')	ASTM D2974-87	368196		
40216442013	SB-14 (0'-4')	ASTM D2974-87	368196		
40216442014	SB-14 (4'-8')	ASTM D2974-87	368196		
40216442015	SB-15 (0'-4')	ASTM D2974-87	368197		
40216442016	SB-15 (8'-12')	ASTM D2974-87	368197		
40216442017	SB-16 (0'-4')	ASTM D2974-87	368197		
40216442018	SB-16 (8'-12')	ASTM D2974-87	368197		
40216442019	SB-17 (0'-4')	ASTM D2974-87	368197		
40216442020	SB-17 (8'-12')	ASTM D2974-87	368197		
40216442021	SB-18 (0.5'-4')	ASTM D2974-87	368197		
40216442022	SB-18 (10'-12')	ASTM D2974-87	368197		
40216442023	SB-19 (0.5'-4')	ASTM D2974-87	368197		
40216442024	SB-19 (8'-12')	ASTM D2974-87	368197		
40216442025	SB-5 (0'-4')	ASTM D2974-87	368197		
40216442026	SB-5 (8'-12')	ASTM D2974-87	368197		
40216442027	SB-6 (0'-4')	ASTM D2974-87	368197		
40216442028	SB-6 (8'-12')	ASTM D2974-87	368197		
40216442029	SB-9 (0'-4')	ASTM D2974-87	368197		
40216442030	SB-9 (8'-12')	ASTM D2974-87	368197		
40216442031	SB-10 (0'-4')	ASTM D2974-87	368197		
40216442032	SB-10 (8'-12')	ASTM D2974-87	368197		
40216442033	SB-11 (0'-4')	ASTM D2974-87	368197		
40216442034	SB-11 (8'-12')	ASTM D2974-87	368197		
40216442035	SB-12 (0'-4')	ASTM D2974-87	368200		
40216442036	SB-12 (8'-12')	ASTM D2974-87	368200		
40216442037	SB-13 (0.5'-4')	ASTM D2974-87	368200		
40216442038	SB-13 (8'-12')	ASTM D2974-87	368200		
40216442039	SBGW-1 (3'-7')	ASTM D2974-87	368200		
40216442040	SBGW-1 (11'-15')	ASTM D2974-87	368200		
40216442041	SBGW-2 (0.5'-4')	ASTM D2974-87	368200		
40216442042	SBGW-2 (12'-16')	ASTM D2974-87	368200		
40216442043	SBGW-3 (0'-4')	ASTM D2974-87	368200		
40216442044	SBGW-3 (8'-12')	ASTM D2974-87	368200		
40216442001	SB-1 (4'-8')	SM 2540 G	1568770	SM 2540G	1568770
40216442001	SB-1 (4'-8')	3060A	1568956	EPA 7196A	1568956

REPORT OF LABORATORY ANALYSIS

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www.pacelabs.com

CHAIN OF CUSTODY

Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Y/N	Pick Letter	Analyses Requested
N	F	VOCs 8260
N	A	PP Metals 6010/7471
N	A	PAHs 8270
N	A	Pentachlorophenol 8270
N	A	1,4-Dioxane 8270

Quote #:	00082216
Mail To Contact:	Mike DeBraske
Mail To Company:	GEI Consultants
Mail To Address:	3159 Voyager Drive Green Bay, WI 54311
Invoice To Contact:	Mike DeBraske
Invoice To Company:	GEI Consultants
Invoice To Address:	3159 Voyager Drive Green Bay, WI 54311
Invoice To Phone:	(920) 455-8200

Company Name: GEI Consultants
Branch/Location: Green Bay, WI
Project Contact: Mike DeBraske
Phone: (920) 412-4779
Project Number: 2004400
Project Name: Wausau-1300 Cleveland Ave
Project State: WI
Sampled By (Print): Mike DeBraske
Sampled By (Sign): *Mike DeBraske*
PO #: *11111*

Data Package Options
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air B = Biole C = Charcoal D = Oil SI = Sludge
W = Water DW = Drinking Water GW = Ground Water SW = Surface Water WP = Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
601	SB-1(4'-8')	10-12	1325	S
602	SB-1(8'-12')	10-12	1330	S
603	SB-2(0'-4')	10-12	1520	S
604	SB-2(4'-8')	10-12	1530	S
605	SB-3(0'-4')	10-12	1500	S
606	SB-3(8'-12')	10-12	1510	S
607	SB-4(0.5'-4')	10-12	1350	S
608	SB-4(8'-12')	10-12	1400	S
609	SB-7(0'-4')	10-12	1310	S
610	SB-7(8'-12')	10-12	1320	S
611	SB-8(0'-4')	10-12	1430	S
612	SB-8(8'-12')	10-12	1440	S

Y/N	Pick Letter	Analyses Requested
N	F	VOCs 8260
N	A	PP Metals 6010/7471
N	A	PAHs 8270
N	A	Pentachlorophenol 8270
N	A	1,4-Dioxane 8270

CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
Se, Ag, Ti, Zn, Hg Hex Cr on select samples post Total Cr analysis		
PP Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Ni,		

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Relinquished By: *Mike DeBraske*
Date/Time: 10-12-20 1535
Received By: *Mike DeBraske*
Date/Time: 10-13-20 1537

Relinquished By: *Mike DeBraske*
Date/Time: 10-13-20 1537
Received By: *Mike DeBraske*
Date/Time: 10-13-20 1537

Transmit Prelim Rush Results by (complete what you want):
Email #1: _____
Email #2: _____
Telephone: _____
Fax: _____
Samples on HOLD are subject to special pricing and release of liability
Version 6.0 08/14/06



CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=D1 Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)*

V / N	N	N	N	N	N
Pick Letter	F	A	A	A	A

Analyses Requested					
VOCs 8260	X	X	X	X	X
PP Metals 6010/7471					
PAHs 8270					
Pentachlorophenol 8270					
1,4-Dioxane 8270					

Quote #: 00082216

Mail To Contact: Mike DeBraske

Mail To Company: GEI Consultants

Mail To Address: 3159 Voyager Drive
Green Bay, WI 54311

Invoice To Contact: Mike DeBraske

Invoice To Company: GEI Consultants

Invoice To Address: 3159 Voyager Drive
Green Bay, WI 54311

Invoice To Phone: (920) 455-8200

CLIENT COMMENTS
 LAB COMMENTS (Lab Use Only)

PP Metals: Sb, As, Be, Cd,
 Cr, Cu, Pb, Ni,

Se, Ag, Tl, Zn, Hg
 Hex Cr on select samples
 post Total Cr analysis

(Please Print Clearly)

Company Name: GEI Consultants

Branch/Location: Green Bay, WI

Project Contact: Mike DeBraske

Phone: (920) 412-4779

Project Number: 2004400

Project Name: Wausau-1300 Cleveland Ave

Project State: WI

Sampled By (Print): Mike DeBraske / Annun Kays

Sampled By (Sign): *Mike DeBraske*

PO #: -

Data Package Options (billable):
☐ EPA Level III
☐ EPA Level IV

MS/MSD (billable):
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes:
 A = Air
 B = Bids
 C = Charcoal
 O = Oil
 S = Soil
 SI = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WW = Waste Water
 WP = Wipe

Regulatory Program:

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
013	SB-14 (0'-4')	10-12	1555	S
014	SB-14 (4'-8')		1600	
015	SB-15 (0'-4')		1645	
016	SB-15 (8'-12')		1650	
017	SB-16 (0'-4')		1210	
018	SB-16 (8'-12')		1215	
019	SB-17 (0'-4')		1230	
020	SB-17 (8'-12')		1240	
021	SB-18 (0.5'-4')		1150	
022	SB-18 (10'-12')		1200	
023	SB-19 (0.5'-4')		1600	
024	SB-19 (8'-12')		1630	

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Transmit Prelim Rush Results by (complete what you want):

Email #1: Relinquished By: Date/Time: Received By: Date/Time: 10-13-20 1535

Email #2: Relinquished By: Date/Time: Received By: Date/Time:

Telephone: Relinquished By: Date/Time: Received By: Date/Time:

Fax: Relinquished By: Date/Time: Received By: Date/Time:

Samples on HOLD are subject to special pricing and release of liability

PACE Project No.:

Receipt Temp = 82 °C

Sample Receipt pH

OK / Adjusted

Cooler Custody Seal

Present / Not Present

Intact / Not Intact

Company Name: GEI Consultants

Branch/Location: Green Bay, WI

Project Contact: Mike DeBraske

Phone: (920) 412-4779

Project Number: 2004400

Project Name: Wausau-1300 Cleveland Ave

Project State: WI

Sampled By (Print): Mike DeBraske / Carin Kanne

Sampled By (Sign): *Mike DeBraske*

PO #: _____

Regulatory Program: _____

Matrix Codes

Data Package Options

☐ EPA Level III

☐ EPA Level IV

☐ On your sample (billable)

☐ NOT needed on your sample

Matrix Codes

A = Air
B = Bids
C = Charcoal
O = Oil
S = Soil
SI = Sludge
W = Water
DW = Drinking Water
GW = Ground Water
SW = Surface Water
WW = Waste Water
WP = Wipe

CLIENT FIELD ID

025 SB-5 (0'-4')

026 SB-5 (8'-12')

027 SB-4 (0'-4')

028 SB-4 (8'-12')

029 SB-4 (0'-4')

030 SB-4 (8'-12')

031 SB-10 (0'-4')

032 SB-10 (8'-12')

033 SB-11 (0'-4')

034 SB-11 (8'-12')

035 SB-12 (0'-4')

036 SB-12 (8'-12')

DATE

10-13

915

920

950

955

930

835

935

940

815

820

735

745

Analyses Requested

VOCs 8260

PP Metals 6010/7471

PAHs 8270

Pentachlorophenol 8270

1,4-Dioxane 8270

Y/N

N

N

N

N

N

CLIENT COMMENTS

PP Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Ti, Zn, Hg

Hex Cr on select samples post Total Cr analysis

LAB COMMENTS (Lab Use Only)

Profile #

Invoice To Contact: Mike DeBraske

Invoice To Company: GEI Consultants

Invoice To Address: 3159 Voyager Drive Green Bay, WI 54311

Invoice To Phone: (920) 455-8200

Quote #: 00082216

Mail To Contact: Mike DeBraske

Mail To Company: GEI Consultants

Mail To Address: 3159 Voyager Drive Green Bay, WI 54311

Relinquished By: Carin Kanne

Relinquished By: _____

Relinquished By: _____

Relinquished By: _____

Date/Time: 10-13-20 1539

Date/Time: _____

Date/Time: _____

Date/Time: _____

Received By: Madeline A. Holm

Received By: _____

Received By: _____

Date/Time: 10-13-20 1539

Date/Time: _____

Date/Time: _____

Relinquished By: _____

Relinquished By: _____

Relinquished By: _____

Date/Time: _____

Date/Time: _____

Date/Time: _____

Relinquished By: _____

Relinquished By: _____

Relinquished By: _____

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Date/Time: _____

Date/Time: _____

Relinquished By: _____

Relinquished By: _____

Relinquished By: _____

Date/Time: _____

Date/Time: _____

Date/Time: _____



CHAIN OF CUSTODY

A=None B=HCL C=H2SO4 D=HNO3 E=D Water F=Methanol G=NaOH
 H= Sodium Bisulfate Solution I= Sodium Thiosulfate J= Other

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)

Y / N	Pick	Letter
N	F	

Analyses Requested	VOCs 8260	PP Metals 6010/7471	PAHs 8270	Pentachlorophenol 8270	1,4-Dioxane 8270
	X	X	X	X	

Quote #:	00082216
Mail To Contact:	Mike DeBraske
Mail To Company:	GEI Consultants
Mail To Address:	3159 Voyager Drive Green Bay, WI 54311
Invoice To Contact:	Mike DeBraske
Invoice To Company:	GEI Consultants
Invoice To Address:	3159 Voyager Drive Green Bay, WI 54311
Invoice To Phone:	(920) 455-8200

CLIENT COMMENTS
 PP Metals: Sb, As, Be, Cd, Cr, Cu, Pb, Ni, Se, Ag, Tl, Zn, Hg
 Hex Cr on select samples post Total Cr analysis

LAB COMMENTS (Lab Use Only)
 Profile #

PACE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX	Analyses Requested	Y / N	Pick	Letter	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
037	SB-13 (6.5'-4')	10-13	755	S							
038	SB-13 (8'-12')	10-13	900		X	X	X	X			
039	SBGW-1 (3'-7')	10-12	745		X	X	X	X			
040	SBGW-1 (11'-15')	10-12	805		X	X	X	X			
041	SBGW-2 (0.5'-4')	10-12	900		X	X	X	X			
042	SBGW-2 (12'-10')	10-12	905		X	X	X	X			
043	SBGW-3 (0'-4')	10-12	1035		X	X	X	X			
044	SBGW-3 (8'-12')	10-12	1050		X	X	X	X			

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed:

Relinquished By: *CASTALIN Hume*
 Date/Time: 10-13-20 1535

Received By: *Michelle J. Helms*
 Date/Time: 10-13-20 1539

PACE Project No. 40216442

Transmittal Prelim Rush Results by (complete what you want):
 Email #1: _____ Date/Time: _____
 Email #2: _____ Date/Time: _____
 Telephone: _____ Date/Time: _____
 Fax: _____ Date/Time: _____
 Samples on HOLD are subject to special pricing and release of liability
 Relinquished By: _____ Date/Time: _____
 Received By: _____ Date/Time: _____
 Receipt Temp = *ROT* °C
 Sample Receipt pH _____
 Cooler Custody Seal Present / Not Present _____
 Intact / Not Intact _____

Sample Preservation Receipt Form

Client Name: SEI

Project # 4021442

All containers needing preservation have been checked and noted below: ☐ Yes ☒ No ☐ N/A

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Lab #																			Glass					Plastic					Vials					Jars				General										Volume (mL)
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU	WPFU	SP5T	ZPLC	GN	VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted																
001																																						2.5/5/10										
002																																					2.5/5/10											
003																																					2.5/5/10											
004																																					2.5/5/10											
005																																					2.5/5/10											
006																																					2.5/5/10											
007																																					2.5/5/10											
008																																					2.5/5/10											
009																																					2.5/5/10											
010																																					2.5/5/10											
011																																					2.5/5/10											
012																																					2.5/5/10											
013																																					2.5/5/10											
014																																					2.5/5/10											
015																																					2.5/5/10											
016																																					2.5/5/10											
017																																					2.5/5/10											
018																																					2.5/5/10											
019																																					2.5/5/10											
020																																					2.5/5/10											

Exceptions to preservation check: VOA, Coliform, TOC, TOH, O&G, WI DRO, Phenolics, Other: _____ Headspace in VOA Vials (>6mm) : ☐ Yes ☒ No ☐ N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JG9U	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL clear Na Thio	WG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WPFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL		4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH		
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4					ZPLC	ziploc bag
BG3U	250 mL clear glass unpres					GN	

651

Sample Preservation Receipt Form

Project #:

40216442

1641 BELLWOOD AVENUE, SUITE 200
GREEN BAY, WI 54302

[illegible]

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEI

Project #:

WO#: **40216442**

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Walco

☒ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other

Thermometer Used SR - NA Type of Ice: ☒ Blue Dry None

☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI / Corr: _____

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 10/13/20 Initials: EMW

Labeled By Initials: MLR/MX

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time:
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact: <u>MLR 10-13-20</u>	☒ Yes ☐ No	10. loose lid upon receipt. 008 LID JB FU MLR 10-13-20
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☐ Yes ☒ No ☐ N/A	12. 017 time 1215, 018 time 1210, 035 V69M ID only depth (0-4) ft. readable placed by time and date 10/13/20
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	☐ Yes ☒ No ☐ N/A	13. 001 WPFU: partially unreadable ID - matched by date/time MLR 10-13-20
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir

Page 3 of 3

November 02, 2020

Mike Debraske
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216441

Dear Mike Debraske:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

SAMPLE SUMMARY

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216441

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40216441001	SB-2 (0'-4')	Solid	10/12/20 15:20	10/13/20 15:39
40216441002	SB-4 (8'-12')	Solid	10/12/20 14:00	10/13/20 15:39
40216441003	SB-8 (0'-4')	Solid	10/12/20 14:30	10/13/20 15:39
40216441004	SB-14 (0'-4')	Solid	10/12/20 15:55	10/13/20 15:39
40216441005	SB-15 (8'-12')	Solid	10/12/20 16:50	10/13/20 15:39
40216441006	SB-19 (8'-12')	Solid	10/12/20 16:30	10/13/20 15:39
40216441007	EQUIP BLANK	Water	10/12/20 13:40	10/13/20 15:39

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, LLC.

COC No.

001904/27 JUN 2005

Sample Preservation Receipt Form

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 200
Green Bay, WI 54302

Client Name: GE7

Project # 40216441

All containers needing preservation have been checked and noted below: ☐ Yes ☒ No MA

Lab Lot# of pH paper:

Lab Std #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Pace Lab #	Glass						Plastic					Vials					Jars			General			VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)		
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	JG9U	WGFU								WPFU	SP5T
001																															2.5/5/10
002										1																					2.5/5/10
003										1																					2.5/5/10
004										1																					2.5/5/10
005										1																					2.5/5/10
006										1																					2.5/5/10
007										2																					2.5/5/10
008																															2.5/5/10
009																															2.5/5/10
010																															2.5/5/10
011																															2.5/5/10
012																															2.5/5/10
013																															2.5/5/10
014																															2.5/5/10
015																															2.5/5/10
016																															2.5/5/10
017																															2.5/5/10
018																															2.5/5/10
019																															2.5/5/10
020																															2.5/5/10

Exceptions to preservation check: VOA, Coliform, TOC, TOH, O&G, WI DRO, Phenolics, Other: Headspace in VOA Vials (>6mm) : ☐ Yes ☒ No MA *If yes look in headspace column

AG1U 1 liter amber glass	BP1U 1 liter plastic unpres	VG9A 40 mL clear ascorbic	JGFU 4 oz amber jar unpres
BG1U 1 liter clear glass	BP3U 250 mL plastic unpres	DG9T 40 mL clear Na Thio	JG9U 9 oz amber jar unpres
AG1H 1 liter amber glass HCL	BP3B 250 mL plastic NaOH	VG9U 40 mL clear vial unpres	WGFU 4 oz clear jar unpres
AG4S 125 mL amber glass H2SO4	BP3N 250 mL plastic HNO3	VG9H 40 mL clear vial HCL	WPFU 4 oz plastic jar unpres
AG4U 120 mL amber glass unpres	BP3S 250 mL plastic H2SO4	VG9M 40 mL clear vial MeOH	SP5T 120 mL plastic Na Thiosulfate
AG5U 100 mL amber glass unpres		VG9D 40 mL clear vial DI	ZPLC ziploc bag
AG2S 500 mL amber glass H2SO4			GN 125 mL poly unpres
BG3U 250 mL clear glass unpres			

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GEL

Project #:

WO#: 40216441



Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco
☒ Client ☐ Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other

Thermometer Used SR - NA

Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

☐ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: 20 / Corr: _____

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Person examining contents:

Date: 10/13/20 / Initials: AS

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Labeled By Initials: AS

Chain of Custody Present: ☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out: ☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished: ☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt ☐ Yes ☐ No	Date/Time: _____
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6.
Rush Turn Around Time Requested: ☐ Yes ☒ No	7.
Sufficient Volume: ☐ Yes ☒ No MS/MSD: ☐ Yes ☒ No ☐ N/A	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☐ Yes ☒ No ☐ N/A	
-Pace IR Containers Used: ☐ Yes ☐ No ☒ N/A	
Containers Intact: ☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests ☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC: ☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S/W</u>	
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	13.
Trip Blank Custody Seals Present ☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments ☐

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir



Report of Analysis

Pace Analytical Services, LLC
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Attention: Christopher Hyska

Project Name: 2004400 WAUSAU - 1300 CLEVELAND

Project Number: 40216441

Lot Number: **VJ15045**

Date Completed: 11/02/2020

Karen Coonan

11/02/2020 10:55 AM

Approved and released by:
Project Manager II: **Karen L. Coonan**



The electronic signature above is the equivalent of a handwritten signature.
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PACE ANALYTICAL SERVICES, LLC

SC DHEC No: 32010001

NELAC No: E87653

NC DENR No: 329

NC Field Parameters No: 5639

Case Narrative Pace Analytical Services, LLC Lot Number: VJ15045

This Report of Analysis contains the analytical result(s) for the sample(s) listed on the Sample Summary following this Case Narrative. The sample receiving date is documented in the header information associated with each sample.

All results listed in this report relate only to the samples that are contained within this report.

Sample receipt, sample analysis, and data review have been performed in accordance with the most current approved The NELAC Institute (TNI) standards, the Pace Analytical Services, LLC ("Pace") Laboratory Quality Manual, standard operating procedures (SOPs), and Pace policies. Any exceptions to the TNI standards, the Laboratory Quality Manual, SOPs or policies are qualified on the results page or discussed below.

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W" qualifier

PFAS

In the Matrix Spike (MS), the analyte 10:2 FTS recovered above the acceptance limits. The Laboratory Control Spike (LCS) and the Matrix Spike Duplicate recovered within the required acceptance limits; therefore, this demonstrates a matrix effect and data quality is not impacted.

If you have any questions regarding this report please contact the Pace Project Manager listed on the cover page.

PACE ANALYTICAL SERVICES, LLC

Sample Summary

Pace Analytical Services, LLC

Lot Number: VJ15045

Project Name: 2004400 WAUSAU - 1300 CLEVELAND

Project Number: 40216441

Sample Number	Sample ID	Matrix	Date Sampled	Date Received
001	SB-2 (0'-4')	Solid	10/12/2020 1520	10/15/2020
002	SB-4 (8'-12')	Solid	10/12/2020 1400	10/15/2020
003	SB-8 (0'-4')	Solid	10/12/2020 1430	10/15/2020
004	SB-14 (0'-4')	Solid	10/12/2020 1555	10/15/2020
005	SB-15 (8'-12')	Solid	10/12/2020 1650	10/15/2020
006	SB-19 (8'-12')	Solid	10/12/2020 1630	10/15/2020
007	EQUIP BLANK	Aqueous	10/12/2020 1340	10/15/2020

(7 samples)

PACE ANALYTICAL SERVICES, LLC

Detection Summary

Pace Analytical Services, LLC

Lot Number: VJ15045

Project Name: 2004400 WAUSAU - 1300 CLEVELAND

Project Number: 40216441

Sample	Sample ID	Matrix	Parameter	Method	Result	Q	Units	Page
001	SB-2 (0'-4')	Solid	PFOS	PFAS by ID	0.22	J	ug/kg	5
003	SB-8 (0'-4')	Solid	PFOS	PFAS by ID	1.0	J	ug/kg	9
004	SB-14 (0'-4')	Solid	PFOS	PFAS by ID	1.0	J	ug/kg	11
006	SB-19 (8'-12')	Solid	PFOS	PFAS by ID	0.20	J	ug/kg	15
007	EQUIP BLANK	Aqueous	PFOS	PFAS by ID	1.3	J	ng/L	17

(5 detections)

PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-001	
Description: SB-2 (0'-4')		Matrix: Solid	
Date Sampled: 10/12/2020 1520	Project Name: 2004400 WAUSAU - 1300		% Solids: 91.8 10/16/2020 0125
Date Received: 10/15/2020	Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/22/2020 1811	KMM2	10/20/2020 1030	70448

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		4.2	1.0	ug/kg	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-butanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		2.1	0.52	ug/kg	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		1.0	0.21	ug/kg	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	0.22	J	1.0	0.21	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		93	25-150
13C2_6:2FTS		105	25-150
13C2_8:2FTS		106	25-150
13C2_PFDaA		98	25-150
13C2_PFHxDA		100	25-150
13C2_PFTeDA		98	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-001
Description: SB-2 (0'-4')		Matrix: Solid
Date Sampled: 10/12/2020 1520	Project Name: 2004400 WAUSAU - 1300	% Solids: 91.8 10/16/2020 0125
Date Received: 10/15/2020	Project Number: 40216441	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		77	25-150
13C3_PFHxS		89	25-150
13C3-HFPO-DA		95	25-150
13C4_PFBa		92	25-150
13C4_PFHpA		98	25-150
13C5_PFHxA		92	25-150
13C5_PFPeA		90	25-150
13C6_PFDA		92	25-150
13C7_PFUdA		101	25-150
13C8_PFOA		97	25-150
13C8_PFOS		89	25-150
13C8_PFOSA		100	10-150
13C9_PFNA		96	25-150
d-EtFOSA		99	10-150
d5-EtFOSAA		105	25-150
d9-EtFOSE		96	10-150
d-MeFOSA		106	10-150
d3-MeFOSAA		108	25-150
d7-MeFOSE		110	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)
 106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-002	
Description: SB-4 (8'-12')		Matrix: Solid	
Date Sampled: 10/12/2020 1400	Project Name: 2004400 WAUSAU - 1300		% Solids: 96.1 10/16/2020 0125
Date Received: 10/15/2020	Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/22/2020 1843	KMM2	10/20/2020 1030	70448

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		3.4	0.86	ug/kg	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-butanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-dodecanoic acid (PFDaA)	307-55-1	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		1.7	0.43	ug/kg	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	ND		0.86	0.17	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		94	25-150
13C2_6:2FTS		94	25-150
13C2_8:2FTS		92	25-150
13C2_PFDaA		90	25-150
13C2_PFHxDA		96	25-150
13C2_PFTeDA		94	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-002	
Description: SB-4 (8'-12')		Matrix: Solid	
Date Sampled: 10/12/2020 1400		Project Name: 2004400 WAUSAU - 1300	
Date Received: 10/15/2020		% Solids: 96.1 10/16/2020 0125	
		Project Number: 40216441	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		73	25-150
13C3_PFHxS		82	25-150
13C3-HFPO-DA		89	25-150
13C4_PFBa		86	25-150
13C4_PFHpA		88	25-150
13C5_PFHxA		85	25-150
13C5_PFPeA		88	25-150
13C6_PFDA		84	25-150
13C7_PFUdA		92	25-150
13C8_PFOA		90	25-150
13C8_PFOS		87	25-150
13C8_PFOSA		90	10-150
13C9_PFNA		93	25-150
d-EtFOSA		85	10-150
d5-EtFOSAA		104	25-150
d9-EtFOSE		85	10-150
d-MeFOSA		110	10-150
d3-MeFOSAA		96	25-150
d7-MeFOSE		100	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-003	
Description: SB-8 (0'-4')		Matrix: Solid	
Date Sampled: 10/12/2020 1430	Project Name: 2004400 WAUSAU - 1300		% Solids: 57.0 10/16/2020 0125
Date Received: 10/15/2020	Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/22/2020 1854	KMM2	10/20/2020 1030	70448

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		5.7	1.4	ug/kg	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-butanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		2.9	0.71	ug/kg	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		1.4	0.29	ug/kg	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	1.0	J	1.4	0.29	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		89	25-150
13C2_6:2FTS		93	25-150
13C2_8:2FTS		90	25-150
13C2_PFDaA		88	25-150
13C2_PFHxDA		88	25-150
13C2_PFTeDA		90	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-003	
Description: SB-8 (0'-4')		Matrix: Solid	
Date Sampled: 10/12/2020 1430		Project Name: 2004400 WAUSAU - 1300	
Date Received: 10/15/2020		% Solids: 57.0 10/16/2020 0125	
		Project Number: 40216441	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		68	25-150
13C3_PFHxS		73	25-150
13C3-HFPO-DA		82	25-150
13C4_PFBa		79	25-150
13C4_PFHpA		84	25-150
13C5_PFHxA		83	25-150
13C5_PFPeA		80	25-150
13C6_PFDA		81	25-150
13C7_PFUdA		86	25-150
13C8_PFOA		84	25-150
13C8_PFOS		76	25-150
13C8_PFOSA		87	10-150
13C9_PFNA		87	25-150
d-EtFOSA		88	10-150
d5-EtFOSAA		103	25-150
d9-EtFOSE		89	10-150
d-MeFOSA		94	10-150
d3-MeFOSAA		88	25-150
d7-MeFOSE		91	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-004	
Description: SB-14 (0'-4')		Matrix: Solid	
Date Sampled: 10/12/2020 1555	Project Name: 2004400 WAUSAU - 1300	% Solids: 73.9 10/16/2020 0125	
Date Received: 10/15/2020	Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/22/2020 1905	KMM2	10/20/2020 1030	70448

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		5.4	1.4	ug/kg	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-butanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		2.7	0.68	ug/kg	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		1.4	0.27	ug/kg	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	1.0	J	1.4	0.27	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		107	25-150
13C2_6:2FTS		110	25-150
13C2_8:2FTS		127	25-150
13C2_PFDaA		111	25-150
13C2_PFHxDA		104	25-150
13C2_PFTeDA		101	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-004	
Description: SB-14 (0'-4')		Matrix: Solid	
Date Sampled: 10/12/2020 1555	Project Name: 2004400 WAUSAU - 1300		% Solids: 73.9 10/16/2020 0125
Date Received: 10/15/2020	Project Number: 40216441		

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		80	25-150
13C3_PFHxS		85	25-150
13C3-HFPO-DA		93	25-150
13C4_PFBa		91	25-150
13C4_PFHpA		94	25-150
13C5_PFHxA		91	25-150
13C5_PFPeA		88	25-150
13C6_PFDA		96	25-150
13C7_PFUdA		99	25-150
13C8_PFOA		94	25-150
13C8_PFOS		89	25-150
13C8_PFOSA		96	10-150
13C9_PFNA		94	25-150
d-EtFOSA		97	10-150
d5-EtFOSAA		127	25-150
d9-EtFOSE		97	10-150
d-MeFOSA		95	10-150
d3-MeFOSAA		114	25-150
d7-MeFOSE		86	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-005	
Description: SB-15 (8'-12')		Matrix: Solid	
Date Sampled: 10/12/2020 1650	Project Name: 2004400 WAUSAU - 1300		% Solids: 95.1 10/16/2020 0125
Date Received: 10/15/2020	Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/22/2020 1915	KMM2	10/20/2020 1030	70448

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		4.5	1.1	ug/kg	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-butanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-dodecanoic acid (PFDaA)	307-55-1	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		2.3	0.57	ug/kg	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	ND		1.1	0.23	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		89	25-150
13C2_6:2FTS		94	25-150
13C2_8:2FTS		105	25-150
13C2_PFDaA		94	25-150
13C2_PFHxDA		98	25-150
13C2_PFTeDA		97	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-005	
Description: SB-15 (8'-12')		Matrix: Solid	
Date Sampled: 10/12/2020 1650		Project Name: 2004400 WAUSAU - 1300	
Date Received: 10/15/2020		% Solids: 95.1 10/16/2020 0125	
		Project Number: 40216441	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		75	25-150
13C3_PFHxS		83	25-150
13C3-HFPO-DA		89	25-150
13C4_PFBa		87	25-150
13C4_PFHpA		89	25-150
13C5_PFHxA		87	25-150
13C5_PFPeA		88	25-150
13C6_PFDA		90	25-150
13C7_PFUdA		93	25-150
13C8_PFOA		92	25-150
13C8_PFOS		79	25-150
13C8_PFOSA		90	10-150
13C9_PFNA		92	25-150
d-EtFOSA		97	10-150
d5-EtFOSAA		107	25-150
d9-EtFOSE		93	10-150
d-MeFOSA		99	10-150
d3-MeFOSAA		98	25-150
d7-MeFOSE		93	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-006	
Description: SB-19 (8'-12')		Matrix: Solid	
Date Sampled: 10/12/2020 1630	Project Name: 2004400 WAUSAU - 1300	% Solids: 97.4 10/16/2020 0125	
Date Received: 10/15/2020	Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/22/2020 1926	KMM2	10/20/2020 1030	70448

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		3.7	0.92	ug/kg	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-butyanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-dodecanoic acid (PFDaA)	307-55-1	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		1.8	0.46	ug/kg	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		0.92	0.18	ug/kg	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	0.20	J	0.92	0.18	ug/kg	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		85	25-150
13C2_6:2FTS		91	25-150
13C2_8:2FTS		94	25-150
13C2_PFDaA		81	25-150
13C2_PFHxDA		91	25-150
13C2_PFTeDA		89	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-006	
Description: SB-19 (8'-12')		Matrix: Solid	
Date Sampled: 10/12/2020 1630		Project Name: 2004400 WAUSAU - 1300	
Date Received: 10/15/2020		% Solids: 97.4 10/16/2020 0125	
		Project Number: 40216441	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		73	25-150
13C3_PFHxS		75	25-150
13C3-HFPO-DA		86	25-150
13C4_PFBa		84	25-150
13C4_PFHpA		83	25-150
13C5_PFHxA		83	25-150
13C5_PFPeA		83	25-150
13C6_PFDA		80	25-150
13C7_PFUdA		85	25-150
13C8_PFOA		85	25-150
13C8_PFOS		72	25-150
13C8_PFOSA		87	10-150
13C9_PFNA		84	25-150
d-EtFOSA		92	10-150
d5-EtFOSAA		96	25-150
d9-EtFOSE		82	10-150
d-MeFOSA		82	10-150
d3-MeFOSAA		98	25-150
d7-MeFOSE		82	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC			Laboratory ID: VJ15045-007		
Description: EQUIP BLANK			Matrix: Aqueous		
Date Sampled: 10/12/2020 1340			Project Name: 2004400 WAUSAU - 1300		
Date Received: 10/15/2020			Project Number: 40216441		

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	SOP SPE	PFAS by ID SOP	1	10/27/2020 1640	SES	10/26/2020 1547	71189

Parameter	CAS Number	Analytical Method	Result	Q	LOQ	DL	Units	Run
9-chlorohexadecafluoro-3-oxanone-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3...)	763051-92-9	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
1H, 1H, 2H, 2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
1H, 1H, 2H, 2H-perfluorooctane sulfonic acid (6:2 FTS)	27619-97-2	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
1H,1H,2H,2H-perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
1H,1H,2H,2H-perfluorohexane sulfonic acid (4:2 FTS)	757124-72-4	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
Hexafluoropropylene oxide dimer acid (GenX)	13252-13-6	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
4,8-dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
N-ethylperfluoro-1-octanesulfonamide (EtFOSA)	4151-50-2	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
N-ethylperfluoro-1-octanesulfonamidoacetic acid (EtFOSAA)	2991-50-6	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
2-N-ethylperfluoro-1-octanesulfonamido-ethanol (EtFOSE)	1691-99-2	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
N-methylperfluoro-1-octanesulfonamide (MeFOSA)	31506-32-8	PFAS by ID SOP	ND		14	3.6	ng/L	1
N-methylperfluoro-1-octanesulfonamidoacetic acid (MeFOSAA)	2355-31-9	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
2-N-methylperfluoro-1-octanesulfonamido-ethanol (MeFOSE)	24448-09-7	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
Perfluoro-1-butanefluoronic acid (PFBS)	375-73-5	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-1-decanesulfonic acid (PFDS)	335-77-3	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-1-heptanesulfonic acid (PFHpS)	375-92-8	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-1-nonanesulfonic acid (PFNS)	68259-12-1	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-1-octanesulfonamide (PFOSA)	754-91-6	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-1-pentanesulfonic acid (PFPeS)	2706-91-4	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluorododecanesulfonic acid (PFDOS)	79780-39-5	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
Perfluorohexanesulfonic acid (PFHxS)	355-46-4	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-butanoic acid (PFBA)	375-22-4	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-decanoic acid (PFDA)	335-76-2	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-dodecanoic acid (PFDoA)	307-55-1	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-heptanoic acid (PFHpA)	375-85-9	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	67905-19-5	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
Perfluoro-n-hexanoic acid (PFHxA)	307-24-4	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-nonanoic acid (PFNA)	375-95-1	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-octadecanoic acid (PFODA)	16517-11-6	PFAS by ID SOP	ND		7.2	1.8	ng/L	1
Perfluoro-n-octanoic acid (PFOA)	335-67-1	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-pentanoic acid (PFPeA)	2706-90-3	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-tetradecanoic acid (PFTeDA)	376-06-7	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-tridecanoic acid (PFTrDA)	72629-94-8	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluoro-n-undecanoic acid (PFUdA)	2058-94-8	PFAS by ID SOP	ND		3.6	0.90	ng/L	1
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	PFAS by ID SOP	1.3	J	3.6	0.90	ng/L	1

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C2_4:2FTS		98	25-150
13C2_6:2FTS		100	25-150
13C2_8:2FTS		105	25-150
13C2_PFDaA		111	25-150
13C2_PFHxDA		80	25-150
13C2_PFTeDA		85	25-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
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 H = Out of holding time W = Reported on wet weight basis

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PFAS by LC/MS/MS

Client: Pace Analytical Services, LLC		Laboratory ID: VJ15045-007
Description: EQUIP BLANK		Matrix: Aqueous
Date Sampled: 10/12/2020 1340	Project Name: 2004400 WAUSAU - 1300	
Date Received: 10/15/2020	Project Number: 40216441	

Surrogate	Q	Run 1 % Recovery	Acceptance Limits
13C3_PFBs		84	25-150
13C3_PFHxS		91	25-150
13C3-HFPO-DA		91	25-150
13C4_PFBa		96	25-150
13C4_PFHpA		91	25-150
13C5_PFHxA		90	25-150
13C5_PFPeA		92	25-150
13C6_PFDA		95	25-150
13C7_PFUdA		110	25-150
13C8_PFOA		95	25-150
13C8_PFOS		89	25-150
13C8_PFOSA		92	10-150
13C9_PFNA		96	25-150
d-EtFOSA		71	10-150
d5-EtFOSAA		104	25-150
d9-EtFOSE		83	10-150
d-MeFOSA		74	10-150
d3-MeFOSAA		109	25-150
d7-MeFOSE		80	10-150

LOQ = Limit of Quantitation B = Detected in the method blank E = Quantitation of compound exceeded the calibration range DL = Detection Limit
 ND = Not detected at or above the DL N = Recovery is out of criteria P = The RPD between two GC columns exceeds 40% J = Estimated result < LOQ and ≥ DL
 H = Out of holding time W = Reported on wet weight basis

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QC Summary

PFAS by LC/MS/MS - MB

Sample ID: VQ70448-001

Matrix: Solid

Batch: 70448

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/20/2020 1030

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
9CI-PF3ONS	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
11CI-PF3OUdS	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
8:2 FTS	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
6:2 FTS	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
10:2 FTS	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
4:2 FTS	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
GenX	ND		1	4.0	1.0	ug/kg	10/21/2020 2304
ADONA	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
EtFOSA	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
EtFOSAA	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
EtFOSE	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
MeFOSA	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
MeFOSAA	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
MeFOSE	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
PFBS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFDS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFHpS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFNS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFOSA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFPeS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFDOS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFHxS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFBA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFDA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFDaA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFHpA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFHxDA	ND		1	2.0	0.50	ug/kg	10/21/2020 2304
PFHxA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFNA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFODA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFOA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFPeA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFTeDA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFTTrDA	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFUDa	ND		1	1.0	0.20	ug/kg	10/21/2020 2304
PFOS	ND		1	1.0	0.20	ug/kg	10/21/2020 2304

Surrogate	Q	% Rec	Acceptance Limit
13C2_4:2FTS		89	25-150
13C2_6:2FTS		96	25-150
13C2_8:2FTS		93	25-150
13C2_PFDaA		95	25-150
13C2_PFHxDA		93	25-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - MB

Sample ID: VQ70448-001

Matrix: Solid

Batch: 70448

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/20/2020 1030

Surrogate	Q	% Rec	Acceptance Limit
13C2_PFTeDA		88	25-150
13C3_PFBS		78	25-150
13C3_PFHxS		80	25-150
13C3-HFPO-DA		92	25-150
13C4_PFBA		88	25-150
13C4_PFHpA		85	25-150
13C5_PFHxA		88	25-150
13C5_PFPeA		90	25-150
13C6_PFDA		83	25-150
13C7_PFUdA		89	25-150
13C8_PFOA		94	25-150
13C8_PFOS		82	25-150
13C8_PFOSA		91	10-150
13C9_PFNA		89	25-150
d-EtFOSA		91	10-150
d5-EtFOSAA		100	25-150
d9-EtFOSE		92	10-150
d-MeFOSA		87	10-150
d3-MeFOSAA		97	25-150
d7-MeFOSE		86	10-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and $\geq$ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - LCS

Sample ID: VQ70448-002

Matrix: Solid

Batch: 70448

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/20/2020 1030

Parameter	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
9CI-PF3ONS	1.9	1.9		1	105	50-150	10/21/2020 2315
11CI-PF3OUdS	1.9	1.9		1	102	50-150	10/21/2020 2315
8:2 FTS	1.9	1.9		1	98	50-150	10/21/2020 2315
6:2 FTS	1.9	2.0		1	108	50-150	10/21/2020 2315
10:2 FTS	1.9	1.9		1	101	50-150	10/21/2020 2315
4:2 FTS	1.9	2.3		1	122	50-150	10/21/2020 2315
GenX	4.0	4.0		1	101	50-150	10/21/2020 2315
ADONA	1.9	2.2		1	118	50-150	10/21/2020 2315
EtFOSA	2.0	2.1		1	105	50-150	10/21/2020 2315
EtFOSAA	2.0	1.6		1	81	50-150	10/21/2020 2315
EtFOSE	2.0	2.0		1	99	50-150	10/21/2020 2315
MeFOSA	2.0	1.9		1	94	50-150	10/21/2020 2315
MeFOSAA	2.0	2.3		1	114	50-150	10/21/2020 2315
MeFOSE	2.0	2.0		1	98	50-150	10/21/2020 2315
PFBS	1.8	1.9		1	110	50-150	10/21/2020 2315
PFDS	1.9	2.1		1	109	50-150	10/21/2020 2315
PFHpS	1.9	2.2		1	118	50-150	10/21/2020 2315
PFNS	1.9	1.9		1	98	50-150	10/21/2020 2315
PFOSA	2.0	1.9		1	93	50-150	10/21/2020 2315
PFPeS	1.9	2.1		1	113	50-150	10/21/2020 2315
PFDOS	1.9	2.1		1	108	50-150	10/21/2020 2315
PFHxS	1.8	2.0		1	110	50-150	10/21/2020 2315
PFBA	2.0	2.2		1	108	50-150	10/21/2020 2315
PFDA	2.0	2.0		1	101	50-150	10/21/2020 2315
PFDaA	2.0	2.0		1	100	50-150	10/21/2020 2315
PFHpA	2.0	2.2		1	110	50-150	10/21/2020 2315
PFHxDA	2.0	2.1		1	104	50-150	10/21/2020 2315
PFHxA	2.0	2.0		1	102	50-150	10/21/2020 2315
PFNA	2.0	2.1		1	104	50-150	10/21/2020 2315
PFODA	2.0	2.5		1	125	50-150	10/21/2020 2315
PFOA	2.0	2.0		1	102	50-150	10/21/2020 2315
PFPeA	2.0	2.0		1	98	50-150	10/21/2020 2315
PFTeDA	2.0	2.0		1	99	50-150	10/21/2020 2315
PFTTrDA	2.0	2.0		1	102	50-150	10/21/2020 2315
PFUdA	2.0	2.1		1	107	50-150	10/21/2020 2315
PFOS	1.9	1.8		1	99	50-150	10/21/2020 2315

Surrogate	Q	% Rec	Acceptance Limit
13C2_4:2FTS		85	25-150
13C2_6:2FTS		90	25-150
13C2_8:2FTS		83	25-150
13C2_PFDaA		84	25-150
13C2_PFHxDA		84	25-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - LCS

Sample ID: VQ70448-002

Batch: 70448

Analytical Method: PFAS by ID SOP

Matrix: Solid

Prep Method: SOP SPE

Prep Date: 10/20/2020 1030

Surrogate	Q	% Rec	Acceptance Limit
13C2_PFTeDA		79	25-150
13C3_PFBS		69	25-150
13C3_PFHxS		74	25-150
13C3-HFPO-DA		83	25-150
13C4_PFBA		80	25-150
13C4_PFHpA		80	25-150
13C5_PFHxA		79	25-150
13C5_PFPeA		83	25-150
13C6_PFDA		74	25-150
13C7_PFUdA		81	25-150
13C8_PFOA		83	25-150
13C8_PFOS		76	25-150
13C8_PFOSA		85	10-150
13C9_PFNA		79	25-150
d-EtFOSA		86	10-150
d5-EtFOSAA		93	25-150
d9-EtFOSE		79	10-150
d-MeFOSA		85	10-150
d3-MeFOSAA		82	25-150
d7-MeFOSE		78	10-150

LOQ = Limit of Quantitation

DL = Detection Limit

ND = Not detected at or above the DL

J = Estimated result < LOQ and $\geq$ DL

* = RSD is out of criteria

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - MS

Sample ID: VJ15045-001MS

Matrix: Solid

Batch: 70448

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/20/2020 1030

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% Rec Limit	Analysis Date
9CI-PF3ONS	ND	2.0	2.4		1	116	50-150	10/22/2020 1822
11CI-PF3OUdS	ND	2.0	2.5		1	123	50-150	10/22/2020 1822
8:2 FTS	ND	2.1	1.9		1	89	50-150	10/22/2020 1822
6:2 FTS	ND	2.1	1.9		1	92	50-150	10/22/2020 1822
10:2 FTS	ND	2.1	3.3	N	1	156	50-150	10/22/2020 1822
4:2 FTS	ND	2.0	2.5		1	122	50-150	10/22/2020 1822
GenX	ND	4.4	4.4		1	101	50-150	10/22/2020 1822
ADONA	ND	2.0	2.6		1	125	50-150	10/22/2020 1822
EtFOSA	ND	2.2	2.5		1	114	50-150	10/22/2020 1822
EtFOSAA	ND	2.2	2.4		1	111	50-150	10/22/2020 1822
EtFOSE	ND	2.2	2.2		1	103	50-150	10/22/2020 1822
MeFOSA	ND	2.2	2.4		1	111	50-150	10/22/2020 1822
MeFOSAA	ND	2.2	2.2		1	99	50-150	10/22/2020 1822
MeFOSE	ND	2.2	2.1		1	97	50-150	10/22/2020 1822
PFBS	ND	1.9	2.1		1	111	50-150	10/22/2020 1822
PFDS	ND	2.1	2.3		1	110	50-150	10/22/2020 1822
PFHpS	ND	2.1	2.4		1	116	50-150	10/22/2020 1822
PFNS	ND	2.1	2.6		1	126	50-150	10/22/2020 1822
PFOSA	ND	2.2	2.3		1	105	50-150	10/22/2020 1822
PFPeS	ND	2.0	2.1		1	105	50-150	10/22/2020 1822
PFDOS	ND	2.1	2.7		1	127	50-150	10/22/2020 1822
PFHxS	ND	2.0	2.3		1	114	50-150	10/22/2020 1822
PFBA	ND	2.2	2.6		1	117	50-150	10/22/2020 1822
PFDA	ND	2.2	2.4		1	108	50-150	10/22/2020 1822
PFDaA	ND	2.2	2.4		1	108	50-150	10/22/2020 1822
PFHpA	ND	2.2	2.4		1	110	50-150	10/22/2020 1822
PFHxDA	ND	2.2	2.6		1	121	50-150	10/22/2020 1822
PFHxA	ND	2.2	2.4		1	112	50-150	10/22/2020 1822
PFNA	ND	2.2	2.5		1	113	50-150	10/22/2020 1822
PFODA	ND	2.2	2.7		1	122	50-150	10/22/2020 1822
PFOA	ND	2.2	2.5		1	114	50-150	10/22/2020 1822
PFPeA	ND	2.2	2.4		1	112	50-150	10/22/2020 1822
PFTeDA	ND	2.2	2.5		1	115	50-150	10/22/2020 1822
PFTTrDA	ND	2.2	2.8		1	130	50-150	10/22/2020 1822
PFUdA	ND	2.2	2.5		1	114	50-150	10/22/2020 1822
PFOS	0.22	2.0	2.8		1	130	50-150	10/22/2020 1822

Surrogate	Q	% Rec	Acceptance Limit
13C2_4:2FTS		85	25-150
13C2_6:2FTS		97	25-150
13C2_8:2FTS		95	25-150
13C2_PFDaA		88	25-150
13C2_PFHxDA		91	25-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

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DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - MS

Sample ID: VJ15045-001MS

Batch: 70448

Analytical Method: PFAS by ID SOP

Matrix: Solid

Prep Method: SOP SPE

Prep Date: 10/20/2020 1030

Surrogate	Q	% Rec	Acceptance Limit
13C2_PFTeDA		91	25-150
13C3_PFBs		76	25-150
13C3_PFHxS		81	25-150
13C3-HFPO-DA		86	25-150
13C4_PFBa		83	25-150
13C4_PFHpA		85	25-150
13C5_PFHxA		84	25-150
13C5_PFPeA		81	25-150
13C6_PFDA		86	25-150
13C7_PFUdA		90	25-150
13C8_PFOA		82	25-150
13C8_PFOs		78	25-150
13C8_PFOsA		87	10-150
13C9_PFNAs		87	25-150
d-EtFOsA		91	10-150
d5-EtFOsAA		98	25-150
d9-EtFOSE		90	10-150
d-MeFOsA		89	10-150
d3-MeFOsAA		96	25-150
d7-MeFOSE		84	10-150

LOQ = Limit of Quantitation

DL = Detection Limit

ND = Not detected at or above the DL

J = Estimated result < LOQ and $\geq$ DL

* = RSD is out of criteria

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - MSD

Sample ID: VJ15045-001MD

Matrix: Solid

Batch: 70448

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/20/2020 1030

Parameter	Sample Amount (ug/kg)	Spike Amount (ug/kg)	Result (ug/kg)	Q	Dil	% Rec	% RPD	% Rec Limit	% RPD Limit	Analysis Date
9CI-PF3ONS	ND	2.0	2.2		1	107	8.5	50-150	30	10/22/2020 1833
11CI-PF3OUdS	ND	2.0	2.3		1	114	7.2	50-150	30	10/22/2020 1833
8:2 FTS	ND	2.1	1.8		1	85	5.4	50-150	30	10/22/2020 1833
6:2 FTS	ND	2.1	1.5		1	71	25	50-150	30	10/22/2020 1833
10:2 FTS	ND	2.1	2.3	+	1	107	37	50-150	30	10/22/2020 1833
4:2 FTS	ND	2.0	1.9		1	95	25	50-150	30	10/22/2020 1833
GenX	ND	4.4	3.5		1	80	22	50-150	30	10/22/2020 1833
ADONA	ND	2.0	2.3		1	110	12	50-150	30	10/22/2020 1833
EtFOSA	ND	2.2	1.8	+	1	82	32	50-150	30	10/22/2020 1833
EtFOSAA	ND	2.2	1.9		1	85	26	50-150	30	10/22/2020 1833
EtFOSE	ND	2.2	1.8		1	84	21	50-150	30	10/22/2020 1833
MeFOSA	ND	2.2	1.7	+	1	78	34	50-150	30	10/22/2020 1833
MeFOSAA	ND	2.2	1.7		1	77	26	50-150	30	10/22/2020 1833
MeFOSE	ND	2.2	1.4	+	1	64	41	50-150	30	10/22/2020 1833
PFBS	ND	1.9	1.9		1	97	14	50-150	30	10/22/2020 1833
PFDS	ND	2.1	2.1		1	101	7.8	50-150	30	10/22/2020 1833
PFHpS	ND	2.1	2.0		1	96	18	50-150	30	10/22/2020 1833
PFNS	ND	2.1	2.2		1	104	19	50-150	30	10/22/2020 1833
PFOSA	ND	2.2	2.0		1	91	14	50-150	30	10/22/2020 1833
PFPeS	ND	2.0	1.8		1	90	16	50-150	30	10/22/2020 1833
PFDOS	ND	2.1	2.1		1	98	26	50-150	30	10/22/2020 1833
PFHxS	ND	2.0	1.8		1	90	23	50-150	30	10/22/2020 1833
PFBA	ND	2.2	2.0		1	92	24	50-150	30	10/22/2020 1833
PFDA	ND	2.2	2.1		1	94	14	50-150	30	10/22/2020 1833
PFDaA	ND	2.2	2.0		1	90	18	50-150	30	10/22/2020 1833
PFHpA	ND	2.2	2.1		1	97	13	50-150	30	10/22/2020 1833
PFHxDA	ND	2.2	2.1		1	98	21	50-150	30	10/22/2020 1833
PFHxA	ND	2.2	1.9		1	87	25	50-150	30	10/22/2020 1833
PFNA	ND	2.2	2.0		1	91	22	50-150	30	10/22/2020 1833
PFODA	ND	2.2	2.1		1	98	22	50-150	30	10/22/2020 1833
PFOA	ND	2.2	2.0		1	91	23	50-150	30	10/22/2020 1833
PFPeA	ND	2.2	2.1		1	95	16	50-150	30	10/22/2020 1833
PFTeDA	ND	2.2	2.0		1	90	24	50-150	30	10/22/2020 1833
PFTTrDA	ND	2.2	2.1		1	97	29	50-150	30	10/22/2020 1833
PFUdA	ND	2.2	2.0		1	90	23	50-150	30	10/22/2020 1833
PFOS	0.22	2.0	2.5		1	113	13	50-150	30	10/22/2020 1833

Surrogate	Q	% Rec	Acceptance Limit
13C2_4:2FTS		85	25-150
13C2_6:2FTS		87	25-150
13C2_8:2FTS		85	25-150
13C2_PFDaA		80	25-150
13C2_PFHxDA		81	25-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

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PFAS by LC/MS/MS - MSD

Sample ID: VJ15045-001MD

Batch: 70448

Analytical Method: PFAS by ID SOP

Matrix: Solid

Prep Method: SOP SPE

Prep Date: 10/20/2020 1030

Surrogate	Q	% Rec	Acceptance Limit
13C2_PFTeDA		82	25-150
13C3_PFBs		67	25-150
13C3_PFHxS		69	25-150
13C3-HFPO-DA		79	25-150
13C4_PFBa		77	25-150
13C4_PFHpA		74	25-150
13C5_PFHxA		79	25-150
13C5_PFPeA		76	25-150
13C6_PFDA		75	25-150
13C7_PFUdA		80	25-150
13C8_PFOA		77	25-150
13C8_PFOS		68	25-150
13C8_PFOsA		78	10-150
13C9_PFNAs		81	25-150
d-EtFOsA		89	10-150
d5-EtFOsAA		93	25-150
d9-EtFOSE		76	10-150
d-MeFOsA		84	10-150
d3-MeFOsAA		89	25-150
d7-MeFOSE		82	10-150

LOQ = Limit of Quantitation

DL = Detection Limit

ND = Not detected at or above the DL

J = Estimated result < LOQ and $\geq$ DL

* = RSD is out of criteria

N = Recovery is out of criteria

P = The RPD between two GC columns exceeds 40%

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

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PFAS by LC/MS/MS - MB

Sample ID: VQ71189-001

Matrix: Aqueous

Batch: 71189

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/26/2020 1547

Parameter	Result	Q	Dil	LOQ	DL	Units	Analysis Date
9CI-PF3ONS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
11CI-PF3OUdS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
8:2 FTS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
6:2 FTS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
10:2 FTS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
4:2 FTS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
GenX	ND		1	8.0	2.0	ng/L	10/27/2020 1432
ADONA	ND		1	8.0	2.0	ng/L	10/27/2020 1432
EtFOSA	ND		1	8.0	2.0	ng/L	10/27/2020 1432
EtFOSAA	ND		1	8.0	2.0	ng/L	10/27/2020 1432
EtFOSE	ND		1	8.0	2.0	ng/L	10/27/2020 1432
MeFOSA	ND		1	16	4.0	ng/L	10/27/2020 1432
MeFOSAA	ND		1	8.0	2.0	ng/L	10/27/2020 1432
MeFOSE	ND		1	8.0	2.0	ng/L	10/27/2020 1432
PFBS	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFDS	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFHpS	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFNS	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFOSA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFPeS	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFDOS	ND		1	8.0	2.0	ng/L	10/27/2020 1432
PFHxS	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFBA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFDA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFDaA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFHpA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFHxDA	ND		1	8.0	2.0	ng/L	10/27/2020 1432
PFHxA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFNA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFODA	ND		1	8.0	2.0	ng/L	10/27/2020 1432
PFOA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFPeA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFTeDA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFTTrDA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFUdA	ND		1	4.0	1.0	ng/L	10/27/2020 1432
PFOS	ND		1	4.0	1.0	ng/L	10/27/2020 1432

Surrogate	Q	% Rec	Acceptance Limit
13C2_4:2FTS		105	25-150
13C2_6:2FTS		102	25-150
13C2_8:2FTS		96	25-150
13C2_PFDaA		87	25-150
13C2_PFHxDA		87	25-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and ≥ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PFAS by LC/MS/MS - MB

Sample ID: VQ71189-001

Matrix: Aqueous

Batch: 71189

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/26/2020 1547

Surrogate	Q	% Rec	Acceptance Limit
13C2_PFTeDA		92	25-150
13C3_PFBS		85	25-150
13C3_PFHxS		90	25-150
13C3-HFPO-DA		97	25-150
13C4_PFBA		98	25-150
13C4_PFHpA		102	25-150
13C5_PFHxA		95	25-150
13C5_PFPeA		96	25-150
13C6_PFDA		90	25-150
13C7_PFUdA		99	25-150
13C8_PFOA		94	25-150
13C8_PFOS		84	25-150
13C8_PFOSA		90	10-150
13C9_PFNA		95	25-150
d-EtFOSA		66	10-150
d5-EtFOSAA		85	25-150
d9-EtFOSE		94	10-150
d-MeFOSA		64	10-150
d3-MeFOSAA		91	25-150
d7-MeFOSE		86	10-150

LOQ = Limit of Quantitation

ND = Not detected at or above the DL

N = Recovery is out of criteria

DL = Detection Limit

J = Estimated result < LOQ and $\geq$ DL

P = The RPD between two GC columns exceeds 40%

* = RSD is out of criteria

+ = RPD is out of criteria

Note: Calculations are performed before rounding to avoid round-off errors in calculated results

Pace Analytical Services, LLC (formerly Shealy Environmental Services, Inc.)

106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.pacelabs.com

PFAS by LC/MS/MS - LCS

Sample ID: VQ71189-002

Matrix: Aqueous

Batch: 71189

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/26/2020 1547

Parameter	Spike Amount (ng/L)	Result (ng/L)	Q	Dil	% Rec	% Rec Limit	Analysis Date
9CI-PF3ONS	15	17		1	111	50-150	10/27/2020 1443
11CI-PF3OUdS	15	17		1	110	50-150	10/27/2020 1443
8:2 FTS	15	17		1	110	50-150	10/27/2020 1443
6:2 FTS	15	16		1	105	50-150	10/27/2020 1443
10:2 FTS	15	14		1	89	50-150	10/27/2020 1443
4:2 FTS	15	16		1	108	50-150	10/27/2020 1443
GenX	32	33		1	104	50-150	10/27/2020 1443
ADONA	15	16		1	108	50-150	10/27/2020 1443
EtFOSA	16	18		1	111	50-150	10/27/2020 1443
EtFOSAA	16	18		1	115	50-150	10/27/2020 1443
EtFOSE	16	19		1	118	50-150	10/27/2020 1443
MeFOSA	16	18		1	115	50-150	10/27/2020 1443
MeFOSAA	16	17		1	107	50-150	10/27/2020 1443
MeFOSE	16	15		1	94	50-150	10/27/2020 1443
PFBS	14	15		1	104	50-150	10/27/2020 1443
PFDS	15	15		1	96	50-150	10/27/2020 1443
PFHpS	15	16		1	102	50-150	10/27/2020 1443
PFNS	15	19		1	121	50-150	10/27/2020 1443
PFOSA	16	16		1	101	50-150	10/27/2020 1443
PFPeS	15	16		1	105	50-150	10/27/2020 1443
PFDOS	15	16		1	103	50-150	10/27/2020 1443
PFHxS	15	14		1	98	50-150	10/27/2020 1443
PFBA	16	18		1	116	50-150	10/27/2020 1443
PFDA	16	17		1	103	50-150	10/27/2020 1443
PFDaA	16	17		1	106	50-150	10/27/2020 1443
PFHpA	16	17		1	106	50-150	10/27/2020 1443
PFHxDA	16	18		1	112	50-150	10/27/2020 1443
PFHxA	16	17		1	104	50-150	10/27/2020 1443
PFNA	16	17		1	107	50-150	10/27/2020 1443
PFODA	16	19		1	117	50-150	10/27/2020 1443
PFOA	16	18		1	112	50-150	10/27/2020 1443
PFPeA	16	17		1	107	50-150	10/27/2020 1443
PFTeDA	16	18		1	114	50-150	10/27/2020 1443
PFTrDA	16	18		1	111	50-150	10/27/2020 1443
PFUdA	16	18		1	115	50-150	10/27/2020 1443
PFOS	15	16		1	108	50-150	10/27/2020 1443
Surrogate	Q	% Rec	Acceptance Limit				
13C2_4:2FTS		85	25-150				
13C2_6:2FTS		84	25-150				
13C2_8:2FTS		77	25-150				
13C2_PFDaA		72	25-150				
13C2_PFHxDA		73	25-150				

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PFAS by LC/MS/MS - LCS

Sample ID: VQ71189-002

Matrix: Aqueous

Batch: 71189

Prep Method: SOP SPE

Analytical Method: PFAS by ID SOP

Prep Date: 10/26/2020 1547

Surrogate	Q	% Rec	Acceptance Limit
13C2_PFTeDA		76	25-150
13C3_PFBS		75	25-150
13C3_PFHxS		82	25-150
13C3-HFPO-DA		80	25-150
13C4_PFBA		81	25-150
13C4_PFHpA		81	25-150
13C5_PFHxA		82	25-150
13C5_PFPeA		79	25-150
13C6_PFDA		79	25-150
13C7_PFUdA		82	25-150
13C8_PFOA		75	25-150
13C8_PFOS		75	25-150
13C8_PFOSA		73	10-150
13C9_PFNA		78	25-150
d-EtFOSA		51	10-150
d5-EtFOSAA		73	25-150
d9-EtFOSE		70	10-150
d-MeFOSA		48	10-150
d3-MeFOSAA		75	25-150
d7-MeFOSE		69	10-150

LOQ = Limit of Quantitation

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DL = Detection Limit

J = Estimated result < LOQ and $\geq$ DL

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Chain of Custody and Miscellaneous Documents

Internal Transfer Chain of Custody

☐ Samples Pre Logged into eCOC.

State Of Origin: WI

Cert. Needed: ☒ Yes ☐ No

Owner Received Date: 10/13/2020 Results Requested By: 11/3/2020

Workorder: 40216441 Subcontract To: Pace Analytical West Columbia

Christopher Hyska
Pace Analytical Green Bay
1241 Bellevue Street
Suite 9
Green Bay, WI 54302
Phone (920)469-2436

106 Vantage Point Drive
West Columbia, SC 29172
Phone (803)791-9700



VJ15045

KLC2

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers		LAB USE ONLY
						Unpreserved	Preserved	
1	SB-2 (0'-4")	PS	10/12/2020 15:20	40216441001	Solid	2		X
2	SB-4 (8'-12")	PS	10/12/2020 14:50	40216441002	Solid	2		X
3	SB-8 (0'-4")	PS	10/12/2020 14:30	40216441003	Solid	2		X
4	SB-14 (3'-4")	PS	10/12/2020 15:55	40216441004	Solid	2		X
5	SB-15 (8'-12")	PS	10/12/2020 16:50	40216441005	Solid	2		X
6	SB-19 (8'-12")	PS	10/12/2020 18:30	40216441006	Solid	2		X
7	EQUIP RI ANK	PS	10/12/2020 18:40	40216441007	Water	2		X

Transfers	Released By	Date/Time	Received By	Date/Time	Received on Ice	Y or N	Samples Intact	Y or N
1	Willa	10/14/2020						
2								
3	REP Ex	10/15/2020	Willa	10/15/2020 10:30				

Cooler Temperature on Receipt 3.8 °C Custody Seal Y or N

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document. This chain of custody is considered complete as is since this information is available in the owner laboratory.

Tuesday, October 13, 2020 4:51:21 PM

FMT-ALL-C-002rev.00 24/March/2009

Page 1 of 1

Sample Preservation Receipt Form

Project # 40216441

Client Name: Gift

Initial when:
completed:

All containers needing preservation have been checked and noted below: ☐ Yes ☒ No

Lab Stoi #ID of preservation (if pH adjusted):

Lab Lot# of pH paper:

[illegible]

Headspace in VOA Vials (>5mm): ☐ Yes ☒ No ~~and~~ *If yes look in headspace column

TOX TOH O&G W/DRO P/Hendings Other:

1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
1 liter clear glass	BP8U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
1 liter amber glass HCL	BP8B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WG9U	4 oz clear jar unpres
125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WP9U	4 oz plastic jar unpres
120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
100 mL amber glass H2SO4					GN	125 mL 100% V unpres

Page 1 of 2

PACE ANALYTICAL SERVICES, LLC

 Pace Analytical® 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #:

 Client Name: GEI

 WO#: **40216441**

 Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Walco

☒ Client ☐ Pace Other: _____

Tracking #: _____

 Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seats intact: ☐ yes ☐ no

 Custody Seal on Samples Present: ☐ yes ☒ no Seats intact: ☐ yes ☐ no

 Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other

 Thermometer Used SR - NA Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None

 Cooler Temperature Uncorr. 20 / Corr: _____

 Temp Blank Present: ☐ yes ☒ no

 Biological Tissue is Frozen: ☐ yes ☐ no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

☒ Samples on ice, cooling process has begun

Person examining contents:

 Date: 10/13/20 Initials: DB

Labeled By Initials: _____

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time: _____
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
- Pace Containers Used:	☐ Yes ☒ No ☐ N/A	
- Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
- Includes date/time/ID/Analysis Matrix: <u>SLW</u>		
Trip Blank Present:	☐ Yes ☐ No ☒ N/A	13.
Trip Blank Custody Seals Present	☐ Yes ☐ No ☒ N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

 If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample log.

 Page 2 of 2

PACE ANALYTICAL SERVICES, LLC



Samples Receipt Checklist (SRC) (ME0018C-15)
Issuing Authority: Pace ENV - WCOL

Revised: 9/29/2020
Page 1 of 1

Sample Receipt Checklist (SRC)

Client: PACB Cooler Inspected by/date: KBS / 10/15/2020 Lot #: VJ15045

Means of receipt: ☐ Pace ☐ Client ☐ UPS ☒ FedEx ☐ Other: _____	
☒ Yes ☐ No	1. Were custody seals present on the cooler?
☒ Yes ☐ No ☐ NA	2. If custody seals were present, were they intact and unbroken?
pH Strip ID: NA Chlorine Strip ID: NA Tested by: NA	
Original temperature upon receipt / Derived (Corrected) temperature upon receipt %Solid Snap-Cup ID: 20-2056	
3.8 / 3.8 °C NA / NA °C NA / NA °C NA / NA °C	
Method: ☐ Temperature Blank ☒ Against Bottles IR Gun ID: 5 IR Gun Correction Factor: 0 °C	
Method of coolant: ☒ Wet Ice ☐ Ice Packs ☐ Dry Ice ☐ None	
☐ Yes ☐ No ☒ NA	3. If temperature of any cooler exceeded 6.0°C, was Project Manager Notified? PM was Notified by: phone / email / face-to-face (circle one).
☒ Yes ☐ No ☐ NA	4. Is the commercial courier's packing slip attached to this form?
☒ Yes ☐ No	5. Were proper custody procedures (relinquished/received) followed?
☒ Yes ☐ No	6. Were sample IDs listed on the COC?
☒ Yes ☐ No	7. Were sample IDs listed on all sample containers?
☒ Yes ☐ No	8. Was collection date & time listed on the COC?
☒ Yes ☐ No	9. Was collection date & time listed on all sample containers?
☒ Yes ☐ No	10. Did all container label information (ID, date, time) agree with the COC?
☒ Yes ☐ No	11. Were tests to be performed listed on the COC?
☒ Yes ☐ No	12. Did all samples arrive in the proper containers for each test and/or in good condition (unbroken, lids on, etc.)?
☒ Yes ☐ No	13. Was adequate sample volume available?
☐ Yes ☒ No	14. Were all samples received within ½ the holding time or 48 hours, whichever comes first?
☐ Yes ☒ No	15. Were any samples containers missing/excess (circle one) samples Not listed on COC?
☐ Yes ☐ No ☒ NA	16. For VOA and RSK-175 samples, were bubbles present >"pea-size" (¼" or 6mm in diameter) in any of the VOA vials?
☐ Yes ☐ No ☒ NA	17. Were all DRO/metals/nutrient samples received at a pH of < 2?
☐ Yes ☐ No ☒ NA	18. Were all cyanide samples received at a pH > 12 and sulfide samples received at a pH > 9?
☐ Yes ☐ No ☒ NA	19. Were all applicable NH ₃ /TKN/cyanide/phenol/625.1/608.3 (< 0.5mg/L) samples free of residual chlorine?
☐ Yes ☐ No ☒ NA	20. Were client remarks/requests (i.e. requested dilutions, MS/MSD designations, etc...) correctly transcribed from the COC into the comment section in LIMS?
☐ Yes ☒ No	21. Was the quote number listed on the container label? If yes, Quote # _____
Sample Preservation (Must be completed for any sample(s) incorrectly preserved or with headspace.)	
Sample(s) NA were received incorrectly preserved and were adjusted accordingly in sample receiving with NA mL of circle one: H2SO4, HNO3, HCl, NaOH using SR # NA.	
Time of preservation NA. If more than one preservative is needed, please note in the comments below.	
Sample(s) NA were received with bubbles > 6 mm in diameter.	
Sample(s) NA were received with TRC > 0.5 mg/L (If #19 is no) and were adjusted accordingly in sample receiving with sodium thiosulfate (Na ₂ S ₂ O ₃) with Shealy ID: NA.	
SR barcode labels applied by: KBS Date: 10/15/2020	

Comments:

October 22, 2020

Mike Debraske
GEI Consultants, Inc.
3159 Voyager Drive
Green Bay, WI 54311

RE: Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216436

Dear Mike Debraske:

Enclosed are the analytical results for sample(s) received by the laboratory on October 13, 2020. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Green Bay

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Christopher Hyska
christopher.hyska@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Pace Analytical Services Green Bay

1241 Bellevue Street, Green Bay, WI 54302

Florida/NELAP Certification #: E87948

Illinois Certification #: 200050

Kentucky UST Certification #: 82

Louisiana Certification #: 04168

Minnesota Certification #: 055-999-334

New York Certification #: 12064

North Dakota Certification #: R-150

Virginia VELAP ID: 460263

South Carolina Certification #: 83006001

Texas Certification #: T104704529-14-1

Wisconsin Certification #: 405132750

Wisconsin DATCP Certification #: 105-444

USDA Soil Permit #: P330-16-00157

Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40216436001	SBGW-1	Water	10/12/20 08:30	10/13/20 15:39
40216436002	SBGW-2	Water	10/12/20 10:15	10/13/20 15:39
40216436003	SBGW-3	Water	10/12/20 12:30	10/13/20 15:39
40216436004	TRIP BLANK	Water	10/12/20 00:00	10/13/20 15:39

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40216436001	SBGW-1	EPA 6020	KXS	12	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8270 by HVI	JJB	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40216436002	SBGW-2	EPA 6020	KXS	12	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8270 by HVI	JJB	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40216436003	SBGW-3	EPA 6020	KXS	12	PASI-G
		EPA 7470	AJT	1	PASI-G
		EPA 8270	RJN	7	PASI-G
		EPA 8270 by HVI	JJB	20	PASI-G
		EPA 8260	HNW	64	PASI-G
40216436004	TRIP BLANK	EPA 8260	HNW	64	PASI-G
		EPA 8260	HNW	64	PASI-G

PASI-G = Pace Analytical Services - Green Bay

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Lab Sample ID	Client Sample ID					
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
40216436001	SBGW-1					
EPA 6020	Arsenic	0.45J	ug/L	1.0	10/19/20 20:35	
EPA 6020	Copper	6.8	ug/L	6.4	10/19/20 20:35	
EPA 6020	Nickel	1.0	ug/L	1.0	10/19/20 20:35	
EPA 8270 by HVI	Anthracene	0.082	ug/L	0.047	10/15/20 15:58	
EPA 8270 by HVI	Benzo(a)anthracene	0.011J	ug/L	0.034	10/15/20 15:58	
EPA 8270 by HVI	Chrysene	0.027J	ug/L	0.059	10/15/20 15:58	
EPA 8270 by HVI	Fluoranthene	0.010J	ug/L	0.048	10/15/20 15:58	
EPA 8270 by HVI	Phenanthrene	0.095	ug/L	0.062	10/15/20 15:58	B
EPA 8270 by HVI	Pyrene	0.014J	ug/L	0.034	10/15/20 15:58	
40216436002	SBGW-2					
EPA 6020	Nickel	5.7	ug/L	1.0	10/19/20 20:42	
EPA 8270 by HVI	Anthracene	0.090	ug/L	0.049	10/15/20 16:17	
EPA 8270 by HVI	Chrysene	0.020J	ug/L	0.061	10/15/20 16:17	
EPA 8270 by HVI	Fluoranthene	0.013J	ug/L	0.050	10/15/20 16:17	
EPA 8270 by HVI	Phenanthrene	0.072	ug/L	0.064	10/15/20 16:17	B
EPA 8270 by HVI	Pyrene	0.018J	ug/L	0.036	10/15/20 16:17	
40216436003	SBGW-3					
EPA 6020	Nickel	9.7	ug/L	1.0	10/19/20 20:49	
EPA 8270 by HVI	Anthracene	0.26	ug/L	0.047	10/15/20 16:36	
EPA 8270 by HVI	Benzo(a)anthracene	0.010J	ug/L	0.034	10/15/20 16:36	
EPA 8270 by HVI	Benzo(b)fluoranthene	0.0054J	ug/L	0.026	10/15/20 16:36	
EPA 8270 by HVI	Chrysene	0.052J	ug/L	0.058	10/15/20 16:36	
EPA 8270 by HVI	Fluoranthene	0.017J	ug/L	0.048	10/15/20 16:36	
EPA 8270 by HVI	Fluorene	0.030J	ug/L	0.036	10/15/20 16:36	
EPA 8270 by HVI	Phenanthrene	0.044J	ug/L	0.062	10/15/20 16:36	B
EPA 8270 by HVI	Pyrene	0.020J	ug/L	0.034	10/15/20 16:36	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: SBGW-1 Lab ID: 40216436001 Collected: 10/12/20 08:30 Received: 10/13/20 15:39 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Antimony	<0.15	ug/L	1.0	0.15	1	10/15/20 06:39	10/19/20 20:35	7440-36-0	
Arsenic	0.45J	ug/L	1.0	0.28	1	10/15/20 06:39	10/19/20 20:35	7440-38-2	
Beryllium	<0.25	ug/L	1.0	0.25	1	10/15/20 06:39	10/19/20 20:35	7440-41-7	
Cadmium	<0.15	ug/L	1.0	0.15	1	10/15/20 06:39	10/19/20 20:35	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	10/15/20 06:39	10/19/20 20:35	7440-47-3	
Copper	6.8	ug/L	6.4	1.9	1	10/15/20 06:39	10/19/20 20:35	7440-50-8	
Lead	<0.24	ug/L	1.0	0.24	1	10/15/20 06:39	10/19/20 20:35	7439-92-1	
Nickel	1.0	ug/L	1.0	0.28	1	10/15/20 06:39	10/19/20 20:35	7440-02-0	
Selenium	<0.32	ug/L	1.1	0.32	1	10/15/20 06:39	10/19/20 20:35	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	10/15/20 06:39	10/19/20 20:35	7440-22-4	
Thallium	<0.14	ug/L	1.0	0.14	1	10/15/20 06:39	10/19/20 20:35	7440-28-0	
Zinc	<10.3	ug/L	34.4	10.3	1	10/15/20 06:39	10/19/20 20:35	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	10/14/20 10:10	10/15/20 10:12	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Pentachlorophenol	<4.3	ug/L	14.3	4.3	1	10/15/20 13:49	10/21/20 12:23	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	69	%	41-118		1	10/15/20 13:49	10/21/20 12:23	4165-60-0	
2-Fluorobiphenyl (S)	67	%	54-107		1	10/15/20 13:49	10/21/20 12:23	321-60-8	
Terphenyl-d14 (S)	92	%	51-129		1	10/15/20 13:49	10/21/20 12:23	1718-51-0	
Phenol-d6 (S)	27	%	12-120		1	10/15/20 13:49	10/21/20 12:23	13127-88-3	
2-Fluorophenol (S)	39	%	23-69		1	10/15/20 13:49	10/21/20 12:23	367-12-4	
2,4,6-Tribromophenol (S)	75	%	62-172		1	10/15/20 13:49	10/21/20 12:23	118-79-6	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.0055	ug/L	0.027	0.0055	1	10/14/20 14:33	10/15/20 15:58	83-32-9	
Acenaphthylene	<0.0045	ug/L	0.022	0.0045	1	10/14/20 14:33	10/15/20 15:58	208-96-8	
Anthracene	0.082	ug/L	0.047	0.0094	1	10/14/20 14:33	10/15/20 15:58	120-12-7	
Benzo(a)anthracene	0.011J	ug/L	0.034	0.0068	1	10/14/20 14:33	10/15/20 15:58	56-55-3	
Benzo(a)pyrene	<0.0095	ug/L	0.047	0.0095	1	10/14/20 14:33	10/15/20 15:58	50-32-8	
Benzo(b)fluoranthene	<0.0052	ug/L	0.026	0.0052	1	10/14/20 14:33	10/15/20 15:58	205-99-2	
Benzo(g,h,i)perylene	<0.0061	ug/L	0.031	0.0061	1	10/14/20 14:33	10/15/20 15:58	191-24-2	
Benzo(k)fluoranthene	<0.0068	ug/L	0.034	0.0068	1	10/14/20 14:33	10/15/20 15:58	207-08-9	
Chrysene	0.027J	ug/L	0.059	0.012	1	10/14/20 14:33	10/15/20 15:58	218-01-9	
Dibenz(a,h)anthracene	<0.0090	ug/L	0.045	0.0090	1	10/14/20 14:33	10/15/20 15:58	53-70-3	
Fluoranthene	0.010J	ug/L	0.048	0.0096	1	10/14/20 14:33	10/15/20 15:58	206-44-0	
Fluorene	<0.0072	ug/L	0.036	0.0072	1	10/14/20 14:33	10/15/20 15:58	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.079	0.016	1	10/14/20 14:33	10/15/20 15:58	193-39-5	
1-Methylnaphthalene	<0.0053	ug/L	0.027	0.0053	1	10/14/20 14:33	10/15/20 15:58	90-12-0	
2-Methylnaphthalene	<0.0044	ug/L	0.022	0.0044	1	10/14/20 14:33	10/15/20 15:58	91-57-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: **SBGW-1** Lab ID: **40216436001** Collected: 10/12/20 08:30 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Naphthalene	<0.017	ug/L	0.083	0.017	1	10/14/20 14:33	10/15/20 15:58	91-20-3	B
Phenanthrene	0.095	ug/L	0.062	0.012	1	10/14/20 14:33	10/15/20 15:58	85-01-8	
Pyrene	0.014J	ug/L	0.034	0.0069	1	10/14/20 14:33	10/15/20 15:58	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	48	%	39-120		1	10/14/20 14:33	10/15/20 15:58	321-60-8	
Terphenyl-d14 (S)	72	%	10-159		1	10/14/20 14:33	10/15/20 15:58	1718-51-0	
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/20/20 11:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/20/20 11:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/20/20 11:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/20/20 11:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/20/20 11:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/20/20 11:00	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:00	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/20/20 11:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/20/20 11:00	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/20/20 11:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/20/20 11:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/20/20 11:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/20/20 11:00	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/20/20 11:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/20/20 11:00	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/20/20 11:00	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/20/20 11:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/20/20 11:00	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/20/20 11:00	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:00	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/20/20 11:00	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/20/20 11:00	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/20/20 11:00	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 11:00	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:00	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/20/20 11:00	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/20/20 11:00	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/20/20 11:00	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:00	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/20/20 11:00	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/20/20 11:00	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/20/20 11:00	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/20/20 11:00	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/20/20 11:00	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/20/20 11:00	108-20-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: **SBGW-1** Lab ID: **40216436001** Collected: 10/12/20 08:30 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/20/20 11:00	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		10/20/20 11:00	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		10/20/20 11:00	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/20/20 11:00	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/20/20 11:00	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/20/20 11:00	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/20/20 11:00	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/20/20 11:00	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		10/20/20 11:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 11:00	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:00	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/20/20 11:00	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/20/20 11:00	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		10/20/20 11:00	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/20/20 11:00	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/20/20 11:00	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/20/20 11:00	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/20/20 11:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/20/20 11:00	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/20/20 11:00	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/20/20 11:00	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/20/20 11:00	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/20/20 11:00	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/20/20 11:00	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/20/20 11:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		10/20/20 11:00	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/20/20 11:00	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		10/20/20 11:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: SBGW-2 Lab ID: 40216436002 Collected: 10/12/20 10:15 Received: 10/13/20 15:39 Matrix: Water									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS Analytical Method: EPA 6020 Preparation Method: EPA 3010 Pace Analytical Services - Green Bay									
Antimony	<0.15	ug/L	1.0	0.15	1	10/15/20 06:39	10/19/20 20:42	7440-36-0	
Arsenic	<0.28	ug/L	1.0	0.28	1	10/15/20 06:39	10/19/20 20:42	7440-38-2	
Beryllium	<0.25	ug/L	1.0	0.25	1	10/15/20 06:39	10/19/20 20:42	7440-41-7	
Cadmium	<0.15	ug/L	1.0	0.15	1	10/15/20 06:39	10/19/20 20:42	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	10/15/20 06:39	10/19/20 20:42	7440-47-3	
Copper	<1.9	ug/L	6.4	1.9	1	10/15/20 06:39	10/19/20 20:42	7440-50-8	
Lead	<0.24	ug/L	1.0	0.24	1	10/15/20 06:39	10/19/20 20:42	7439-92-1	
Nickel	5.7	ug/L	1.0	0.28	1	10/15/20 06:39	10/19/20 20:42	7440-02-0	
Selenium	<0.32	ug/L	1.1	0.32	1	10/15/20 06:39	10/19/20 20:42	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	10/15/20 06:39	10/19/20 20:42	7440-22-4	
Thallium	<0.14	ug/L	1.0	0.14	1	10/15/20 06:39	10/19/20 20:42	7440-28-0	
Zinc	<10.3	ug/L	34.4	10.3	1	10/15/20 06:39	10/19/20 20:42	7440-66-6	
7470 Mercury Analytical Method: EPA 7470 Preparation Method: EPA 7470 Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	10/14/20 10:10	10/15/20 10:19	7439-97-6	
8270 MSSV Semivolatile Organic Analytical Method: EPA 8270 Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Pentachlorophenol	<4.4	ug/L	14.8	4.4	1	10/15/20 13:49	10/21/20 12:44	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	73	%	41-118		1	10/15/20 13:49	10/21/20 12:44	4165-60-0	
2-Fluorobiphenyl (S)	74	%	54-107		1	10/15/20 13:49	10/21/20 12:44	321-60-8	
Terphenyl-d14 (S)	89	%	51-129		1	10/15/20 13:49	10/21/20 12:44	1718-51-0	
Phenol-d6 (S)	29	%	12-120		1	10/15/20 13:49	10/21/20 12:44	13127-88-3	
2-Fluorophenol (S)	45	%	23-69		1	10/15/20 13:49	10/21/20 12:44	367-12-4	
2,4,6-Tribromophenol (S)	93	%	62-172		1	10/15/20 13:49	10/21/20 12:44	118-79-6	
8270 MSSV PAH by HVI Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay									
Acenaphthene	<0.0057	ug/L	0.028	0.0057	1	10/14/20 14:33	10/15/20 16:17	83-32-9	
Acenaphthylene	<0.0047	ug/L	0.023	0.0047	1	10/14/20 14:33	10/15/20 16:17	208-96-8	
Anthracene	0.090	ug/L	0.049	0.0098	1	10/14/20 14:33	10/15/20 16:17	120-12-7	
Benzo(a)anthracene	<0.0071	ug/L	0.035	0.0071	1	10/14/20 14:33	10/15/20 16:17	56-55-3	
Benzo(a)pyrene	<0.0098	ug/L	0.049	0.0098	1	10/14/20 14:33	10/15/20 16:17	50-32-8	
Benzo(b)fluoranthene	<0.0054	ug/L	0.027	0.0054	1	10/14/20 14:33	10/15/20 16:17	205-99-2	
Benzo(g,h,i)perylene	<0.0063	ug/L	0.032	0.0063	1	10/14/20 14:33	10/15/20 16:17	191-24-2	
Benzo(k)fluoranthene	<0.0071	ug/L	0.035	0.0071	1	10/14/20 14:33	10/15/20 16:17	207-08-9	
Chrysene	0.020J	ug/L	0.061	0.012	1	10/14/20 14:33	10/15/20 16:17	218-01-9	
Dibenz(a,h)anthracene	<0.0094	ug/L	0.047	0.0094	1	10/14/20 14:33	10/15/20 16:17	53-70-3	
Fluoranthene	0.013J	ug/L	0.050	0.010	1	10/14/20 14:33	10/15/20 16:17	206-44-0	
Fluorene	<0.0074	ug/L	0.037	0.0074	1	10/14/20 14:33	10/15/20 16:17	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.082	0.016	1	10/14/20 14:33	10/15/20 16:17	193-39-5	
1-Methylnaphthalene	<0.0055	ug/L	0.028	0.0055	1	10/14/20 14:33	10/15/20 16:17	90-12-0	
2-Methylnaphthalene	<0.0046	ug/L	0.023	0.0046	1	10/14/20 14:33	10/15/20 16:17	91-57-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: SBGW-2		Lab ID: 40216436002		Collected: 10/12/20 10:15		Received: 10/13/20 15:39		Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI		Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510 Pace Analytical Services - Green Bay							
Naphthalene	<0.017	ug/L	0.086	0.017	1	10/14/20 14:33	10/15/20 16:17	91-20-3	B
Phenanthrene	0.072	ug/L	0.064	0.013	1	10/14/20 14:33	10/15/20 16:17	85-01-8	
Pyrene	0.018J	ug/L	0.036	0.0071	1	10/14/20 14:33	10/15/20 16:17	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	63	%	39-120		1	10/14/20 14:33	10/15/20 16:17	321-60-8	
Terphenyl-d14 (S)	87	%	10-159		1	10/14/20 14:33	10/15/20 16:17	1718-51-0	
8260 MSV		Analytical Method: EPA 8260 Pace Analytical Services - Green Bay							
Benzene	<0.25	ug/L	1.0	0.25	1		10/20/20 11:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/20/20 11:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/20/20 11:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/20/20 11:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/20/20 11:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/20/20 11:21	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:21	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/20/20 11:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/20/20 11:21	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/20/20 11:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/20/20 11:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/20/20 11:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/20/20 11:21	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/20/20 11:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/20/20 11:21	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/20/20 11:21	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/20/20 11:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/20/20 11:21	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/20/20 11:21	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:21	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/20/20 11:21	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/20/20 11:21	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/20/20 11:21	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 11:21	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:21	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/20/20 11:21	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/20/20 11:21	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/20/20 11:21	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:21	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/20/20 11:21	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/20/20 11:21	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/20/20 11:21	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/20/20 11:21	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/20/20 11:21	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/20/20 11:21	108-20-3	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: **SBGW-2** Lab ID: **40216436002** Collected: 10/12/20 10:15 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/20/20 11:21	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		10/20/20 11:21	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		10/20/20 11:21	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/20/20 11:21	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/20/20 11:21	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/20/20 11:21	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/20/20 11:21	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/20/20 11:21	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		10/20/20 11:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 11:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:21	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/20/20 11:21	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/20/20 11:21	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		10/20/20 11:21	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/20/20 11:21	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/20/20 11:21	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/20/20 11:21	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/20/20 11:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/20/20 11:21	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/20/20 11:21	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/20/20 11:21	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/20/20 11:21	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/20/20 11:21	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/20/20 11:21	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/20/20 11:21	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		10/20/20 11:21	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/20/20 11:21	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/20/20 11:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: SBGW-3 Lab ID: 40216436003 Collected: 10/12/20 12:30 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6020 MET ICPMS									
Analytical Method: EPA 6020 Preparation Method: EPA 3010									
Pace Analytical Services - Green Bay									
Antimony	<0.15	ug/L	1.0	0.15	1	10/15/20 06:39	10/19/20 20:49	7440-36-0	
Arsenic	<0.28	ug/L	1.0	0.28	1	10/15/20 06:39	10/19/20 20:49	7440-38-2	
Beryllium	<0.25	ug/L	1.0	0.25	1	10/15/20 06:39	10/19/20 20:49	7440-41-7	
Cadmium	<0.15	ug/L	1.0	0.15	1	10/15/20 06:39	10/19/20 20:49	7440-43-9	
Chromium	<1.0	ug/L	3.4	1.0	1	10/15/20 06:39	10/19/20 20:49	7440-47-3	
Copper	<1.9	ug/L	6.4	1.9	1	10/15/20 06:39	10/19/20 20:49	7440-50-8	
Lead	<0.24	ug/L	1.0	0.24	1	10/15/20 06:39	10/19/20 20:49	7439-92-1	
Nickel	9.7	ug/L	1.0	0.28	1	10/15/20 06:39	10/19/20 20:49	7440-02-0	
Selenium	<0.32	ug/L	1.1	0.32	1	10/15/20 06:39	10/19/20 20:49	7782-49-2	
Silver	<0.13	ug/L	0.50	0.13	1	10/15/20 06:39	10/19/20 20:49	7440-22-4	
Thallium	<0.14	ug/L	1.0	0.14	1	10/15/20 06:39	10/19/20 20:49	7440-28-0	
Zinc	<10.3	ug/L	34.4	10.3	1	10/15/20 06:39	10/19/20 20:49	7440-66-6	
7470 Mercury									
Analytical Method: EPA 7470 Preparation Method: EPA 7470									
Pace Analytical Services - Green Bay									
Mercury	<0.066	ug/L	0.20	0.066	1	10/14/20 10:10	10/15/20 10:26	7439-97-6	
8270 MSSV Semivolatile Organic									
Analytical Method: EPA 8270 Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Pentachlorophenol	<4.3	ug/L	14.3	4.3	1	10/15/20 13:49	10/21/20 13:05	87-86-5	
Surrogates									
Nitrobenzene-d5 (S)	63	%	41-118		1	10/15/20 13:49	10/21/20 13:05	4165-60-0	
2-Fluorobiphenyl (S)	68	%	54-107		1	10/15/20 13:49	10/21/20 13:05	321-60-8	
Terphenyl-d14 (S)	90	%	51-129		1	10/15/20 13:49	10/21/20 13:05	1718-51-0	
Phenol-d6 (S)	25	%	12-120		1	10/15/20 13:49	10/21/20 13:05	13127-88-3	
2-Fluorophenol (S)	41	%	23-69		1	10/15/20 13:49	10/21/20 13:05	367-12-4	
2,4,6-Tribromophenol (S)	101	%	62-172		1	10/15/20 13:49	10/21/20 13:05	118-79-6	
8270 MSSV PAH by HVI									
Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510									
Pace Analytical Services - Green Bay									
Acenaphthene	<0.0054	ug/L	0.027	0.0054	1	10/14/20 14:33	10/15/20 16:36	83-32-9	
Acenaphthylene	<0.0044	ug/L	0.022	0.0044	1	10/14/20 14:33	10/15/20 16:36	208-96-8	
Anthracene	0.26	ug/L	0.047	0.0093	1	10/14/20 14:33	10/15/20 16:36	120-12-7	
Benzo(a)anthracene	0.010J	ug/L	0.034	0.0067	1	10/14/20 14:33	10/15/20 16:36	56-55-3	
Benzo(a)pyrene	<0.0094	ug/L	0.047	0.0094	1	10/14/20 14:33	10/15/20 16:36	50-32-8	
Benzo(b)fluoranthene	0.0054J	ug/L	0.026	0.0051	1	10/14/20 14:33	10/15/20 16:36	205-99-2	
Benzo(g,h,i)perylene	<0.0061	ug/L	0.030	0.0061	1	10/14/20 14:33	10/15/20 16:36	191-24-2	
Benzo(k)fluoranthene	<0.0067	ug/L	0.034	0.0067	1	10/14/20 14:33	10/15/20 16:36	207-08-9	
Chrysene	0.052J	ug/L	0.058	0.012	1	10/14/20 14:33	10/15/20 16:36	218-01-9	
Dibenz(a,h)anthracene	<0.0089	ug/L	0.045	0.0089	1	10/14/20 14:33	10/15/20 16:36	53-70-3	
Fluoranthene	0.017J	ug/L	0.048	0.0095	1	10/14/20 14:33	10/15/20 16:36	206-44-0	
Fluorene	0.030J	ug/L	0.036	0.0071	1	10/14/20 14:33	10/15/20 16:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.016	ug/L	0.079	0.016	1	10/14/20 14:33	10/15/20 16:36	193-39-5	
1-Methylnaphthalene	<0.0053	ug/L	0.026	0.0053	1	10/14/20 14:33	10/15/20 16:36	90-12-0	
2-Methylnaphthalene	<0.0044	ug/L	0.022	0.0044	1	10/14/20 14:33	10/15/20 16:36	91-57-6	

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: SBGW-3			Lab ID: 40216436003		Collected: 10/12/20 12:30		Received: 10/13/20 15:39		Matrix: Water	
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual	
8270 MSSV PAH by HVI										
Analytical Method: EPA 8270 by HVI			Preparation Method: EPA 3510							
Pace Analytical Services - Green Bay										
Naphthalene	<0.016	ug/L	0.082	0.016	1	10/14/20 14:33	10/15/20 16:36	91-20-3	B	
Phenanthrene	0.044J	ug/L	0.062	0.012	1	10/14/20 14:33	10/15/20 16:36	85-01-8		
Pyrene	0.020J	ug/L	0.034	0.0068	1	10/14/20 14:33	10/15/20 16:36	129-00-0		
Surrogates										
2-Fluorobiphenyl (S)	52	%	39-120		1	10/14/20 14:33	10/15/20 16:36	321-60-8		
Terphenyl-d14 (S)	47	%	10-159		1	10/14/20 14:33	10/15/20 16:36	1718-51-0		
8260 MSV										
Analytical Method: EPA 8260										
Pace Analytical Services - Green Bay										
Benzene	<0.25	ug/L	1.0	0.25	1		10/20/20 11:42	71-43-2		
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/20/20 11:42	108-86-1		
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/20/20 11:42	74-97-5		
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/20/20 11:42	75-27-4		
Bromoform	<4.0	ug/L	13.2	4.0	1		10/20/20 11:42	75-25-2		
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/20/20 11:42	74-83-9		
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:42	104-51-8		
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/20/20 11:42	135-98-8		
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/20/20 11:42	98-06-6		
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/20/20 11:42	56-23-5		
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:42	108-90-7		
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/20/20 11:42	75-00-3		
Chloroform	<1.3	ug/L	5.0	1.3	1		10/20/20 11:42	67-66-3		
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/20/20 11:42	74-87-3		
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/20/20 11:42	95-49-8		
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/20/20 11:42	106-43-4		
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/20/20 11:42	96-12-8		
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/20/20 11:42	124-48-1		
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/20/20 11:42	106-93-4		
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/20/20 11:42	74-95-3		
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 11:42	95-50-1		
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/20/20 11:42	541-73-1		
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/20/20 11:42	106-46-7		
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/20/20 11:42	75-71-8		
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 11:42	75-34-3		
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:42	107-06-2		
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/20/20 11:42	75-35-4		
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/20/20 11:42	156-59-2		
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/20/20 11:42	156-60-5		
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:42	78-87-5		
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/20/20 11:42	142-28-9		
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/20/20 11:42	594-20-7		
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/20/20 11:42	563-58-6		
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/20/20 11:42	10061-01-5		
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/20/20 11:42	10061-02-6		
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/20/20 11:42	108-20-3		

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: **SBGW-3** Lab ID: **40216436003** Collected: 10/12/20 12:30 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/20/20 11:42	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		10/20/20 11:42	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		10/20/20 11:42	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/20/20 11:42	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/20/20 11:42	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/20/20 11:42	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/20/20 11:42	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/20/20 11:42	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		10/20/20 11:42	100-42-5	
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 11:42	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 11:42	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/20/20 11:42	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/20/20 11:42	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		10/20/20 11:42	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/20/20 11:42	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/20/20 11:42	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/20/20 11:42	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/20/20 11:42	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/20/20 11:42	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/20/20 11:42	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/20/20 11:42	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/20/20 11:42	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/20/20 11:42	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/20/20 11:42	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/20/20 11:42	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	98	%	70-130		1		10/20/20 11:42	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		1		10/20/20 11:42	1868-53-7	
Toluene-d8 (S)	100	%	70-130		1		10/20/20 11:42	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: TRIP BLANK Lab ID: 40216436004 Collected: 10/12/20 00:00 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260 Pace Analytical Services - Green Bay									
Benzene	<0.25	ug/L	1.0	0.25	1		10/20/20 09:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		10/20/20 09:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		10/20/20 09:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		10/20/20 09:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		10/20/20 09:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		10/20/20 09:12	74-83-9	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 09:12	104-51-8	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		10/20/20 09:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		10/20/20 09:12	98-06-6	
Carbon tetrachloride	<1.1	ug/L	3.6	1.1	1		10/20/20 09:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 09:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		10/20/20 09:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		10/20/20 09:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		10/20/20 09:12	74-87-3	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		10/20/20 09:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		10/20/20 09:12	106-43-4	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		10/20/20 09:12	96-12-8	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		10/20/20 09:12	124-48-1	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		10/20/20 09:12	106-93-4	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		10/20/20 09:12	74-95-3	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		10/20/20 09:12	95-50-1	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		10/20/20 09:12	541-73-1	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		10/20/20 09:12	106-46-7	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		10/20/20 09:12	75-71-8	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 09:12	75-34-3	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 09:12	107-06-2	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		10/20/20 09:12	75-35-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		10/20/20 09:12	156-59-2	
trans-1,2-Dichloroethene	<0.46	ug/L	1.5	0.46	1		10/20/20 09:12	156-60-5	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		10/20/20 09:12	78-87-5	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		10/20/20 09:12	142-28-9	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		10/20/20 09:12	594-20-7	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		10/20/20 09:12	563-58-6	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		10/20/20 09:12	10061-01-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		10/20/20 09:12	10061-02-6	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		10/20/20 09:12	108-20-3	
Ethylbenzene	<0.32	ug/L	1.1	0.32	1		10/20/20 09:12	100-41-4	
Hexachloro-1,3-butadiene	<1.5	ug/L	4.9	1.5	1		10/20/20 09:12	87-68-3	
Isopropylbenzene (Cumene)	<1.7	ug/L	5.6	1.7	1		10/20/20 09:12	98-82-8	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		10/20/20 09:12	99-87-6	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		10/20/20 09:12	75-09-2	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		10/20/20 09:12	1634-04-4	
Naphthalene	<1.2	ug/L	5.0	1.2	1		10/20/20 09:12	91-20-3	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		10/20/20 09:12	103-65-1	
Styrene	<3.0	ug/L	10.0	3.0	1		10/20/20 09:12	100-42-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Sample: TRIP BLANK Lab ID: 40216436004 Collected: 10/12/20 00:00 Received: 10/13/20 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Pace Analytical Services - Green Bay									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		10/20/20 09:12	630-20-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		10/20/20 09:12	79-34-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		10/20/20 09:12	127-18-4	
Toluene	<0.27	ug/L	1.0	0.27	1		10/20/20 09:12	108-88-3	
1,2,3-Trichlorobenzene	<2.2	ug/L	7.4	2.2	1		10/20/20 09:12	87-61-6	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		10/20/20 09:12	120-82-1	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		10/20/20 09:12	71-55-6	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		10/20/20 09:12	79-00-5	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		10/20/20 09:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		10/20/20 09:12	75-69-4	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		10/20/20 09:12	96-18-4	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		10/20/20 09:12	95-63-6	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		10/20/20 09:12	108-67-8	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		10/20/20 09:12	75-01-4	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		10/20/20 09:12	179601-23-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		10/20/20 09:12	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	101	%	70-130		1		10/20/20 09:12	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		10/20/20 09:12	1868-53-7	
Toluene-d8 (S)	104	%	70-130		1		10/20/20 09:12	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

QC Batch: 368204

Analysis Method: EPA 7470

QC Batch Method: EPA 7470

Analysis Description: 7470 Mercury

Laboratory: Pace Analytical Services - Green Bay

Associated Lab Samples: 40216436001, 40216436002, 40216436003

METHOD BLANK: 2128432

Matrix: Water

Associated Lab Samples: 40216436001, 40216436002, 40216436003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury	ug/L	<0.066	0.20	10/15/20 10:08	

LABORATORY CONTROL SAMPLE: 2128433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury	ug/L	5	5.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2128434 2128435

Parameter	Units	40216436001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Mercury	ug/L	<0.066	5	5	5.1	5.0	101	101	85-115	0	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216436

QC Batch: 368311 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Laboratory: Pace Analytical Services - Green Bay
Associated Lab Samples: 40216436001, 40216436002, 40216436003

METHOD BLANK: 2129157 Matrix: Water
Associated Lab Samples: 40216436001, 40216436002, 40216436003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	<0.15	1.0	10/17/20 05:16	
Arsenic	ug/L	<0.28	1.0	10/17/20 05:16	
Beryllium	ug/L	<0.25	1.0	10/17/20 05:16	
Cadmium	ug/L	<0.15	1.0	10/17/20 05:16	
Chromium	ug/L	<1.0	3.4	10/17/20 05:16	
Copper	ug/L	<1.9	6.4	10/17/20 05:16	
Lead	ug/L	<0.24	1.0	10/17/20 05:16	
Nickel	ug/L	<0.28	1.0	10/17/20 05:16	
Selenium	ug/L	<0.32	1.1	10/17/20 05:16	
Silver	ug/L	<0.13	0.50	10/17/20 05:16	
Thallium	ug/L	<0.14	1.0	10/17/20 05:16	
Zinc	ug/L	<10.3	34.4	10/17/20 05:16	

LABORATORY CONTROL SAMPLE: 2129158

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	500	520	104	80-120	
Arsenic	ug/L	500	528	106	80-120	
Beryllium	ug/L	500	535	107	80-120	
Cadmium	ug/L	500	538	108	80-120	
Chromium	ug/L	500	510	102	80-120	
Copper	ug/L	500	506	101	80-120	
Lead	ug/L	500	506	101	80-120	
Nickel	ug/L	500	512	102	80-120	
Selenium	ug/L	500	558	112	80-120	
Silver	ug/L	250	261	104	80-120	
Thallium	ug/L	500	492	98	80-120	
Zinc	ug/L	500	517	103	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2129159 2129160

Parameter	Units	40216486002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.00024J mg/L	500	500	543	531	109	106	75-125	2	20	
Arsenic	ug/L	0.00042J mg/L	500	500	553	543	111	108	75-125	2	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			2129159	2129160								
Parameter	Units	40216486002	MS	MSD	MS	MSD	MS	MSD	% Rec	RPD	Max	Qual
		Result	Spike	Spike								
Beryllium	ug/L	<0.00025 mg/L	500	500	491	473	98	95	75-125	4	20	
Cadmium	ug/L	<0.00015 mg/L	500	500	538	526	108	105	75-125	2	20	
Chromium	ug/L	0.0019J mg/L	500	500	531	522	106	104	75-125	2	20	
Copper	ug/L	0.0020J mg/L	500	500	520	511	104	102	75-125	2	20	
Lead	ug/L	0.0011 mg/L	500	500	552	540	110	108	75-125	2	20	
Nickel	ug/L	0.0012 mg/L	500	500	524	515	105	103	75-125	2	20	
Selenium	ug/L	<0.00032 mg/L	500	500	562	550	112	110	75-125	2	20	
Silver	ug/L	<0.00013 mg/L	250	250	258	254	103	101	75-125	2	20	
Thallium	ug/L	<0.00014 mg/L	500	500	523	511	105	102	75-125	2	20	
Zinc	ug/L	0.020J mg/L	500	500	570	561	110	108	75-125	2	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

QC Batch:	368555	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216436001, 40216436002, 40216436003, 40216436004

METHOD BLANK: 2130695 Matrix: Water

Associated Lab Samples: 40216436001, 40216436002, 40216436003, 40216436004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	10/20/20 07:03	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	10/20/20 07:03	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	10/20/20 07:03	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	10/20/20 07:03	
1,1-Dichloroethane	ug/L	<0.27	1.0	10/20/20 07:03	
1,1-Dichloroethene	ug/L	<0.24	1.0	10/20/20 07:03	
1,1-Dichloropropene	ug/L	<0.54	1.8	10/20/20 07:03	
1,2,3-Trichlorobenzene	ug/L	<2.2	7.4	10/20/20 07:03	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	10/20/20 07:03	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	10/20/20 07:03	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	10/20/20 07:03	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	10/20/20 07:03	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	10/20/20 07:03	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	10/20/20 07:03	
1,2-Dichloroethane	ug/L	<0.28	1.0	10/20/20 07:03	
1,2-Dichloropropane	ug/L	<0.28	1.0	10/20/20 07:03	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	10/20/20 07:03	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	10/20/20 07:03	
1,3-Dichloropropane	ug/L	<0.83	2.8	10/20/20 07:03	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	10/20/20 07:03	
2,2-Dichloropropane	ug/L	<2.3	7.6	10/20/20 07:03	
2-Chlorotoluene	ug/L	<0.93	5.0	10/20/20 07:03	
4-Chlorotoluene	ug/L	<0.76	2.5	10/20/20 07:03	
Benzene	ug/L	<0.25	1.0	10/20/20 07:03	
Bromobenzene	ug/L	<0.24	1.0	10/20/20 07:03	
Bromochloromethane	ug/L	<0.36	5.0	10/20/20 07:03	
Bromodichloromethane	ug/L	<0.36	1.2	10/20/20 07:03	
Bromoform	ug/L	<4.0	13.2	10/20/20 07:03	
Bromomethane	ug/L	<0.97	5.0	10/20/20 07:03	
Carbon tetrachloride	ug/L	<1.1	3.6	10/20/20 07:03	
Chlorobenzene	ug/L	<0.71	2.4	10/20/20 07:03	
Chloroethane	ug/L	<1.3	5.0	10/20/20 07:03	
Chloroform	ug/L	<1.3	5.0	10/20/20 07:03	
Chloromethane	ug/L	<2.2	7.3	10/20/20 07:03	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	10/20/20 07:03	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	10/20/20 07:03	
Dibromochloromethane	ug/L	<2.6	8.7	10/20/20 07:03	
Dibromomethane	ug/L	<0.94	3.1	10/20/20 07:03	
Dichlorodifluoromethane	ug/L	<0.50	5.0	10/20/20 07:03	
Diisopropyl ether	ug/L	<1.9	6.3	10/20/20 07:03	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

METHOD BLANK: 2130695

Matrix: Water

Associated Lab Samples: 40216436001, 40216436002, 40216436003, 40216436004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.32	1.1	10/20/20 07:03	
Hexachloro-1,3-butadiene	ug/L	<1.5	4.9	10/20/20 07:03	
Isopropylbenzene (Cumene)	ug/L	<1.7	5.6	10/20/20 07:03	
m&p-Xylene	ug/L	<0.47	2.0	10/20/20 07:03	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	10/20/20 07:03	
Methylene Chloride	ug/L	<0.58	5.0	10/20/20 07:03	
n-Butylbenzene	ug/L	<0.71	2.4	10/20/20 07:03	
n-Propylbenzene	ug/L	<0.81	5.0	10/20/20 07:03	
Naphthalene	ug/L	<1.2	5.0	10/20/20 07:03	
o-Xylene	ug/L	<0.26	1.0	10/20/20 07:03	
p-Isopropyltoluene	ug/L	<0.80	2.7	10/20/20 07:03	
sec-Butylbenzene	ug/L	<0.85	5.0	10/20/20 07:03	
Styrene	ug/L	<3.0	10.0	10/20/20 07:03	
tert-Butylbenzene	ug/L	<0.30	1.0	10/20/20 07:03	
Tetrachloroethene	ug/L	<0.33	1.1	10/20/20 07:03	
Toluene	ug/L	<0.27	1.0	10/20/20 07:03	
trans-1,2-Dichloroethene	ug/L	<0.46	1.5	10/20/20 07:03	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	10/20/20 07:03	
Trichloroethene	ug/L	<0.26	1.0	10/20/20 07:03	
Trichlorofluoromethane	ug/L	<0.21	1.0	10/20/20 07:03	
Vinyl chloride	ug/L	<0.17	1.0	10/20/20 07:03	
4-Bromofluorobenzene (S)	%	98	70-130	10/20/20 07:03	
Dibromofluoromethane (S)	%	103	70-130	10/20/20 07:03	
Toluene-d8 (S)	%	103	70-130	10/20/20 07:03	

LABORATORY CONTROL SAMPLE: 2130696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	58.4	117	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	57.3	115	64-131	
1,1,2-Trichloroethane	ug/L	50	54.2	108	70-130	
1,1-Dichloroethane	ug/L	50	61.9	124	69-163	
1,1-Dichloroethene	ug/L	50	61.4	123	77-123	
1,2,4-Trichlorobenzene	ug/L	50	51.6	103	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	50.4	101	63-130	
1,2-Dibromoethane (EDB)	ug/L	50	55.1	110	70-130	
1,2-Dichlorobenzene	ug/L	50	54.1	108	70-130	
1,2-Dichloroethane	ug/L	50	60.3	121	78-142	
1,2-Dichloropropane	ug/L	50	54.3	109	86-134	
1,3-Dichlorobenzene	ug/L	50	53.4	107	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	
Benzene	ug/L	50	60.0	120	70-130	
Bromodichloromethane	ug/L	50	56.5	113	70-130	
Bromoform	ug/L	50	47.0	94	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

LABORATORY CONTROL SAMPLE: 2130696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromomethane	ug/L	50	56.4	113	39-129	
Carbon tetrachloride	ug/L	50	55.4	111	70-132	
Chlorobenzene	ug/L	50	56.4	113	70-130	
Chloroethane	ug/L	50	60.2	120	66-140	
Chloroform	ug/L	50	58.8	118	75-132	
Chloromethane	ug/L	50	47.8	96	32-143	
cis-1,2-Dichloroethene	ug/L	50	54.7	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	56.0	112	70-130	
Dibromochloromethane	ug/L	50	56.0	112	70-130	
Dichlorodifluoromethane	ug/L	50	35.6	71	10-141	
Ethylbenzene	ug/L	50	58.5	117	80-120	
Isopropylbenzene (Cumene)	ug/L	50	59.8	120	70-130	
m&p-Xylene	ug/L	100	116	116	70-130	
Methyl-tert-butyl ether	ug/L	50	58.4	117	61-129	
Methylene Chloride	ug/L	50	60.5	121	70-130	
o-Xylene	ug/L	50	57.6	115	70-130	
Styrene	ug/L	50	59.2	118	70-130	
Tetrachloroethene	ug/L	50	54.9	110	70-130	
Toluene	ug/L	50	57.4	115	80-120	
trans-1,2-Dichloroethene	ug/L	50	62.6	125	70-130	
trans-1,3-Dichloropropene	ug/L	50	53.0	106	69-130	
Trichloroethene	ug/L	50	59.2	118	70-130	
Trichlorofluoromethane	ug/L	50	66.1	132	75-145	
Vinyl chloride	ug/L	50	54.6	109	51-140	
4-Bromofluorobenzene (S)	%			104	70-130	
Dibromofluoromethane (S)	%			107	70-130	
Toluene-d8 (S)	%			102	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2131899

2131900

Parameter	Units	40216479002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	<0.24	50	50	57.7	59.8	115	120	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	55.1	58.0	110	116	64-137	5	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.5	53.8	103	108	70-137	4	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	59.1	63.2	118	126	69-163	7	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	57.4	61.8	115	124	77-129	7	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	49.5	51.6	99	103	68-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	50.3	52.2	101	104	60-130	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.6	55.6	105	111	70-130	5	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	53.0	56.8	106	114	70-130	7	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	58.3	61.0	117	122	78-145	5	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	50.8	55.5	102	111	86-135	9	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	52.1	55.7	104	111	70-130	7	20	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			2131899	2131900									
Parameter	Units	40216479002	MS	MSD	MS	MSD	MS	MSD	% Rec	Limits	RPD	Max	Qual
		Result	Spike	Spike									
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.9	54.0	102	108	70-130	6	20		
Benzene	ug/L	<0.25	50	50	56.8	60.4	114	121	70-136	6	20		
Bromodichloromethane	ug/L	<0.36	50	50	52.7	56.0	105	112	70-130	6	20		
Bromoform	ug/L	<4.0	50	50	44.2	47.0	88	94	69-130	6	20		
Bromomethane	ug/L	<0.97	50	50	54.8	60.4	110	121	39-138	10	20		
Carbon tetrachloride	ug/L	<1.1	50	50	52.9	56.3	106	113	70-142	6	20		
Chlorobenzene	ug/L	<0.71	50	50	54.4	57.7	109	115	70-130	6	20		
Chloroethane	ug/L	<1.3	50	50	56.2	59.2	112	118	61-149	5	20		
Chloroform	ug/L	<1.3	50	50	56.8	60.0	114	120	75-133	5	20		
Chloromethane	ug/L	<2.2	50	50	45.2	47.9	90	96	32-143	6	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	51.7	55.1	103	110	70-130	6	20		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	53.2	57.6	106	115	70-130	8	20		
Dibromochloromethane	ug/L	<2.6	50	50	54.7	57.6	109	115	70-130	5	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	32.9	34.6	66	69	10-141	5	20		
Ethylbenzene	ug/L	<0.32	50	50	56.5	59.8	113	120	80-120	6	20		
Isopropylbenzene (Cumene)	ug/L	<1.7	50	50	58.1	61.2	116	122	70-130	5	20		
m&p-Xylene	ug/L	<0.47	100	100	111	119	111	119	70-130	6	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	55.6	58.6	111	117	61-136	5	20		
Methylene Chloride	ug/L	<0.58	50	50	58.0	61.1	116	122	68-137	5	20		
o-Xylene	ug/L	<0.26	50	50	55.7	58.9	111	118	70-130	6	20		
Styrene	ug/L	<3.0	50	50	55.7	59.2	111	118	70-130	6	20		
Tetrachloroethene	ug/L	<0.33	50	50	53.4	56.8	107	114	70-130	6	20		
Toluene	ug/L	<0.27	50	50	55.0	57.8	110	116	80-120	5	20		
trans-1,2-Dichloroethene	ug/L	<0.46	50	50	59.4	63.2	119	126	70-130	6	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	51.1	53.9	102	108	69-130	5	20		
Trichloroethene	ug/L	<0.26	50	50	56.0	59.9	112	120	70-130	7	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	61.8	65.7	124	131	74-157	6	20		
Vinyl chloride	ug/L	<0.17	50	50	51.9	54.5	104	109	51-140	5	20		
4-Bromofluorobenzene (S)	%						106	105	70-130				
Dibromofluoromethane (S)	%						104	107	70-130				
Toluene-d8 (S)	%						102	103	70-130				

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Peace Project No.: 40216436

QC Batch:	368356	Analysis Method:	EPA 8270
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water MSSV
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216436001, 40216436002, 40216436003

METHOD BLANK: 2129330 Matrix: Water

Associated Lab Samples: 40216436001, 40216436002, 40216436003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Pentachlorophenol	ug/L	<4.6	15.2	10/16/20 09:47	
2,4,6-Tribromophenol (S)	%	82	62-172	10/16/20 09:47	
2-Fluorobiphenyl (S)	%	83	54-107	10/16/20 09:47	
2-Fluorophenol (S)	%	45	23-69	10/16/20 09:47	
Nitrobenzene-d5 (S)	%	79	41-118	10/16/20 09:47	
Phenol-d6 (S)	%	31	12-120	10/16/20 09:47	
Terphenyl-d14 (S)	%	107	51-129	10/16/20 09:47	

LABORATORY CONTROL SAMPLE & LCSD: 2129331

LABORATORY CONTROL SAMPLE & LCSD: 2129331			2129332							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Pentachlorophenol	ug/L	50	34.0	34.9	68	70	53-101	3	24	
2,4,6-Tribromophenol (S)	%				92	96	62-172			
2-Fluorobiphenyl (S)	%				90	89	54-107			
2-Fluorophenol (S)	%				45	48	23-69			
Nitrobenzene-d5 (S)	%				78	78	41-118			
Phenol-d6 (S)	%				33	32	12-120			
Terphenyl-d14 (S)	%				98	95	51-129			

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216436

QC Batch:	368268	Analysis Method:	EPA 8270 by HVI
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water PAH by HVI
		Laboratory:	Pace Analytical Services - Green Bay

Associated Lab Samples: 40216436001, 40216436002, 40216436003

METHOD BLANK: 2128820 Matrix: Water
Associated Lab Samples: 40216436001, 40216436002, 40216436003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.012J	0.030	10/15/20 07:55	
2-Methylnaphthalene	ug/L	<0.0049	0.024	10/15/20 07:55	
Acenaphthene	ug/L	0.0082J	0.030	10/15/20 07:55	
Acenaphthylene	ug/L	<0.0050	0.025	10/15/20 07:55	
Anthracene	ug/L	<0.010	0.052	10/15/20 07:55	
Benzo(a)anthracene	ug/L	<0.0076	0.038	10/15/20 07:55	
Benzo(a)pyrene	ug/L	<0.011	0.053	10/15/20 07:55	
Benzo(b)fluoranthene	ug/L	<0.0057	0.029	10/15/20 07:55	
Benzo(g,h,i)perylene	ug/L	<0.0068	0.034	10/15/20 07:55	
Benzo(k)fluoranthene	ug/L	<0.0076	0.038	10/15/20 07:55	
Chrysene	ug/L	<0.013	0.065	10/15/20 07:55	
Dibenz(a,h)anthracene	ug/L	<0.010	0.050	10/15/20 07:55	
Fluoranthene	ug/L	<0.011	0.053	10/15/20 07:55	
Fluorene	ug/L	<0.0080	0.040	10/15/20 07:55	
Indeno(1,2,3-cd)pyrene	ug/L	<0.018	0.088	10/15/20 07:55	
Naphthalene	ug/L	<0.018	0.092	10/15/20 07:55	
Phenanthrene	ug/L	0.017J	0.069	10/15/20 07:55	
Pyrene	ug/L	<0.0076	0.038	10/15/20 07:55	
2-Fluorobiphenyl (S)	%	60	39-120	10/15/20 07:55	
Terphenyl-d14 (S)	%	89	10-159	10/15/20 07:55	

LABORATORY CONTROL SAMPLE: 2128821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.1	55	37-120	
2-Methylnaphthalene	ug/L	2	1.1	55	38-120	
Acenaphthene	ug/L	2	1.3	65	49-120	
Acenaphthylene	ug/L	2	1.2	60	43-85	
Anthracene	ug/L	2	1.5	75	57-110	
Benzo(a)anthracene	ug/L	2	1.6	82	47-118	
Benzo(a)pyrene	ug/L	2	1.6	80	70-120	
Benzo(b)fluoranthene	ug/L	2	1.5	77	54-97	
Benzo(g,h,i)perylene	ug/L	2	1.2	61	26-74	
Benzo(k)fluoranthene	ug/L	2	1.8	90	73-126	
Chrysene	ug/L	2	1.9	95	75-151	
Dibenz(a,h)anthracene	ug/L	2	1.2	59	13-72	
Fluoranthene	ug/L	2	1.5	75	63-120	
Fluorene	ug/L	2	1.3	65	53-120	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	83	51-101	

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QUALITY CONTROL DATA

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

LABORATORY CONTROL SAMPLE: 2128821

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Naphthalene	ug/L	2	1.1	56	41-120	
Phenanthrene	ug/L	2	1.4	68	47-100	
Pyrene	ug/L	2	1.7	83	70-128	
2-Fluorobiphenyl (S)	%			67	39-120	
Terphenyl-d14 (S)	%			94	10-159	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2128822 2128823

Parameter	Units	40216383005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.016J	1.8	1.9	0.74	0.91	40	47	16-120	20	28	
2-Methylnaphthalene	ug/L	<0.0046	1.8	1.9	0.77	0.91	42	48	29-120	17	31	
Acenaphthene	ug/L	0.025J	1.8	1.9	0.88	1.1	46	56	33-120	21	30	
Acenaphthylene	ug/L	0.0048J	1.8	1.9	0.81	0.92	44	49	21-85	13	26	
Anthracene	ug/L	0.045J	1.8	1.9	0.77	1.2	39	61	16-114	44	36 R1	
Benzo(a)anthracene	ug/L	0.11	1.8	1.9	0.58	0.83	26	38	10-118	36	35 R1	
Benzo(a)pyrene	ug/L	0.091	1.8	1.9	0.43	0.56	18	25	10-120	27	37	
Benzo(b)fluoranthene	ug/L	0.21	1.8	1.9	0.57	0.61	19	21	10-97	7	36	
Benzo(g,h,i)perylene	ug/L	0.11	1.8	1.9	0.37	0.35	14	13	10-74	6	45	
Benzo(k)fluoranthene	ug/L	0.097	1.8	1.9	0.43	0.70	18	32	10-126	49	41 R1	
Chrysene	ug/L	0.21	1.8	1.9	0.72	1.0	28	43	10-161	35	30 R1	
Dibenz(a,h)anthracene	ug/L	0.020J	1.8	1.9	0.27	0.34	14	17	10-72	23	50	
Fluoranthene	ug/L	0.34	1.8	1.9	0.98	1.0	34	35	35-120	4	33 M1	
Fluorene	ug/L	0.018J	1.8	1.9	0.87	1.1	46	58	17-120	25	33	
Indeno(1,2,3-cd)pyrene	ug/L	0.086	1.8	1.9	0.36	0.41	15	17	10-101	14	41	
Naphthalene	ug/L	<0.017	1.8	1.9	0.76	0.89	41	46	24-120	15	30	
Phenanthrene	ug/L	0.25	1.8	1.9	1.1	1.1	47	46	15-100	1	30	
Pyrene	ug/L	0.31	1.8	1.9	1.0	1.2	38	46	14-137	15	31	
2-Fluorobiphenyl (S)	%						48	55	39-120			
Terphenyl-d14 (S)	%						28	64	10-159			

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QUALIFIERS

Project: 2004400 WAUSAU-1300 CLEVELAND
Pace Project No.: 40216436

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor, percent moisture, initial weight and final volume.

LOQ - Limit of Quantitation adjusted for dilution factor, percent moisture, initial weight and final volume.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 368450

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2004400 WAUSAU-1300 CLEVELAND

Pace Project No.: 40216436

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40216436001	SBGW-1	EPA 3010	368311	EPA 6020	368399
40216436002	SBGW-2	EPA 3010	368311	EPA 6020	368399
40216436003	SBGW-3	EPA 3010	368311	EPA 6020	368399
40216436001	SBGW-1	EPA 7470	368204	EPA 7470	368253
40216436002	SBGW-2	EPA 7470	368204	EPA 7470	368253
40216436003	SBGW-3	EPA 7470	368204	EPA 7470	368253
40216436001	SBGW-1	EPA 3510	368356	EPA 8270	368450
40216436002	SBGW-2	EPA 3510	368356	EPA 8270	368450
40216436003	SBGW-3	EPA 3510	368356	EPA 8270	368450
40216436001	SBGW-1	EPA 3510	368268	EPA 8270 by HVI	368286
40216436002	SBGW-2	EPA 3510	368268	EPA 8270 by HVI	368286
40216436003	SBGW-3	EPA 3510	368268	EPA 8270 by HVI	368286
40216436001	SBGW-1	EPA 8260	368555		
40216436002	SBGW-2	EPA 8260	368555		
40216436003	SBGW-3	EPA 8260	368555		
40216436004	TRIP BLANK	EPA 8260	368555		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

www.pacefabrics.com

COC No.	00082216	Mike DeBr
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Receipt Temp = **19.0** °C

Sample Receipt pH **10.3** OK Adjusted

Cooler Quietly Seal

Present ☐ Not Present ☒

Intact / Not Intact ☒

Version 6.0. 05/14/05

Client Name: GEI

Sample Preservation Receipt Form

Project # 40216436

All containers needing preservation have been checked and noted below.

Lab Lot# of pH paper: 101320 SRK

Lab Std #ID of preservation (if pH adjusted):

Initial when completed: SRK Date/Time:Pace Analytical Services, LLC
1241 Bellevue Street, Suite 200
Green Bay, WI 54302

Page 30

Pace Lab #	Glass						Plastic				Vials				Jars			General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (mL)		
	AG1U	BG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP3U	BP3B	BP3N	BP3S	VG9A	DG9T	VG9U	VG9H	VG9M	VG9D								JGFU	JG9U
001																												2.5/5/10
002																												2.5/5/10
003																												2.5/5/10
004																												2.5/5/10
005																												2.5/5/10
006																												2.5/5/10
007																												2.5/5/10
008																												2.5/5/10
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013																												2.5/5/10
014																												2.5/5/10
015																												2.5/5/10
016																												2.5/5/10
017																												2.5/5/10
018																												2.5/5/10
019																												2.5/5/10
020																												2.5/5/10

Exceptions to preservation check: NO Coliform, TOC, TOX, TOH, O&G, WI DRQ, Phenolics, Other:Headspace in VOA Vials (>6mm): ☐ Yes ☒ No ☐ N/A *If yes look in headspace column

AG1U	1 liter amber glass	BP1U	1 liter plastic unpres	VG9A	40 mL clear ascorbic	JGFU	4 oz amber jar unpres
BG1U	1 liter clear glass	BP3U	250 mL plastic unpres	DG9T	40 mL amber Na Thio	JG9U	9 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP3B	250 mL plastic NaOH	VG9U	40 mL clear vial unpres	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9H	40 mL clear vial HCL	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3S	250 mL plastic H2SO4	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG5U	100 mL amber glass unpres			VG9D	40 mL clear vial DI	ZPLC	ziploc bag
AG2S	500 mL amber glass H2SO4					GN	
BG3U	250 mL clear glass unpres						

 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 26Mar2020
	Document No.: ENV-FRM-GBAY-0014-Rev.00	Author: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: GET

Project #: WO# : 40216436

WO# : 40216436



40216436

Courier: ☐ CS Logistics ☐ Fed Ex ☐ Speedee ☐ UPS ☐ Waltco

☒ Client

☐ Pace

Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____

Thermometer Used SR - N/A Type of Ice: ☒ Wet ☐ Blue ☐ Dry ☐ None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: RO I Corr: _____

Temp Blank Present: ☐ yes ☒ no

Biological Tissue is Frozen: ☐ yes ☐ no

Temp should be above freezing to 6°C.

Biota Samples may be received at ≤ 0°C if shipped on Dry Ice.

Person examining contents:	
Date: <u>10/13/20</u>	Initials: <u>SKW</u>
Labeled By Initials: <u>SRK</u>	

Chain of Custody Present:	☒ Yes ☐ No ☐ N/A	1.
Chain of Custody Filled Out:	☒ Yes ☐ No ☐ N/A	2.
Chain of Custody Relinquished:	☒ Yes ☐ No ☐ N/A	3.
Sampler Name & Signature on COC:	☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time:	☒ Yes ☐ No	5.
- VOA Samples frozen upon receipt	☐ Yes ☐ No	Date/Time: _____
Short Hold Time Analysis (<72hr):	☐ Yes ☒ No	6.
Rush Turn Around Time Requested:	☐ Yes ☒ No	7.
Sufficient Volume:		8.
For Analysis: ☒ Yes ☐ No MS/MSD: ☐ Yes ☒ No ☐ N/A		
Correct Containers Used:	☒ Yes ☐ No	9.
-Pace Containers Used:	☒ Yes ☐ No ☐ N/A	
-Pace IR Containers Used:	☐ Yes ☐ No ☒ N/A	
Containers Intact:	☒ Yes ☐ No	10.
Filtered volume received for Dissolved tests	☐ Yes ☐ No ☒ N/A	11.
Sample Labels match COC:	☒ Yes ☐ No ☐ N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	☒ Yes ☐ No ☐ N/A	13. <u>In shipment Lab added to COC.</u>
Trip Blank Custody Seals Present	☒ Yes ☐ No ☐ N/A	
Pace Trip Blank Lot # (if purchased): <u>448</u>		<u>10/13/20</u> <u>SKW</u>

Client Notification/ Resolution:

If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

PM Review is documented electronically in LIMs. By releasing the project, the PM acknowledges they have reviewed the sample logir



Consulting
Engineers and
Scientists

January 20, 2021

Mr. Jayson Schrank
Wisconsin Department of Natural Resources
Remediation and Redevelopment Program
1300 West Clairemont Avenue
Eau Claire, WI 54701

**Re: Notification For Hazardous Substance Discharge
Wausau Business Incubator (Former)
1300 Cleveland Avenue, Wausau, WI**

Dear Jayson:

GEI Consultants, Inc. (GEI) is providing the enclosed Notification For Hazardous Substance Discharge on behalf of the City of Wausau (City), who owns the property at 1300 Cleveland Avenue in the City of Wausau, Marathon County, Wisconsin. GEI and the City anticipate that a Responsible Party (RP) letter may be issued due to concentrations of semi-volatile organic compounds and metals detected in soil and/or groundwater on the property. Before the WDNR issues a formal response to this submittal, we request a brief virtual meeting between the WDNR, City and GEI to review these results, discuss property redevelopment alternatives being considered by the City, and identify additional investigation and/or remedial actions that may be appropriate under those land use scenarios.

Please contact Mr. DeBraske at 920-412-4779 or via email (mdebraske@geiconsultants.com) if you have any questions regarding this submittal and/or to arrange a day and time for a meeting.

Sincerely,

GEI CONSULTANTS, INC.

A handwritten signature in black ink that reads "Michael DeBraske".

Michael L. DeBraske, P.E.
Senior Project Engineer

A handwritten signature in black ink that reads "Roger A. Miller".

Roger A. Miller, P.G., C.P.G.
Senior Hydrogeologist

Attachments

c: Mr. Eric Lindman, City of Wausau – Department of Public Works

**Notification For Hazardous Substance Discharge
(Non-Emergency Only)**

Form 4400-225 (R 02/20)

Page 1 of 2

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than \$10 nor more than \$5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from (**check one**):

- ☐ Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
☐ Aboveground Petroleum Storage Tank System
☐ Dry Cleaner Facility
☒ Other - Describe: Historical fill

ATTN DNR: **R & R Program Associate**

Date DNR Notified: 01/20/2021

1. Discharge Reported By

Name Mike DeBraske	Firm GEI Consultants, Inc.	Phone Number (include area code) (920) 412-4779
Mailing Address 3159 Voyager Drive, Green Bay, WI 54311	Email mdebraske@geiconsultants.com	

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property.

Wausau Business Incubator (Former)

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60.

1300 Cleveland Avenue

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.

City of Wausau

County Marathon	Legal Description: SW ¼ of SE ¼ Section 35, Town 29 N, Range 07 ☒ E ☐ W	WTM: X 548700 Y 497090
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3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

City of Wausau

☐ A local governmental unit claiming an exemption from state Spill Law and Solid Waste Management responsibilities for the discharge being reported, per Wis. Stat. §§ 292.11(9)(e) and 292.23, should: 1) check this box; 2) review [DNR publication RR-055](#); and 3) provide documentation to DNR that demonstrates compliance with the statutory requirements of the liability exemptions. Local governmental units may also request a fee-based liability clarification letter from DNR by using [DNR Form 4400-237](#).

Contact Person Name (if different) Eric Lindman	Phone Number (715) 261-6745	Email eric.lindman@ci.wausau.wi.us
Mailing Address 407 Grant Street	City Wausau	State WI
		ZIP Code 54403

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email
Mailing Address	City	State
		ZIP Code

(continued)

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Mike DeBraske GEI Consultants, Inc.

Form 4400-225 (R 02/20)

Page 2 of 2

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- | | | |
|--|---|--|
| ☐ VOCs | (VOCs continued) | ☒ Metals |
| ☐ PCE | ☐ Mineral Oil | ☐ Arsenic |
| ☐ TCE | ☐ Waste Oil | ☐ Chromium |
| ☐ Other Chlorinated | ☐ Petroleum-Unknown Type | ☒ Lead |
| ☐ Diesel | ☒ PAHs | ☒ Other: Potentially background (As, Cd, Hg, Sb, TI) |
| ☐ Fuel Oil | ☐ PCBs | ☐ Pesticides: _____ |
| ☐ Gasoline | ☐ Cyanide | ☐ Fertilizer: _____ |
| ☐ Hydraulic Oil | ☐ Leachate | ☐ RCRA Hazardous Waste: _____ |
| ☐ Jet Fuel | ☐ Manure | ☐ Other: _____ |
| | | ☐ Unknown |

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- | | | |
|--|---|--|
| ☐ Air Contamination | ☐ Fire Explosion Threat | ☒ Soil Contamination |
| ☐ Co-mingled (Petroleum & Non-Petroleum) | ☐ Free Product | ☐ Soil Gas Contamination |
| ☐ Contamination in Fractured Bedrock | ☒ Groundwater Contamination | ☐ Sub-slab Vapor Contamination |
| ☐ Contamination Within 1 Meter of Bedrock | ☐ Off-Site Contamination | ☐ Surface Water Contamination |
| ☐ Contaminated Private Well | ☐ Sanitary Sewer Contamination | ☐ Within 100 ft of Private Well |
| ☐ Contaminated Public Well | ☐ Storm Sewer Contamination | ☐ Within 1000 ft of Public Well |
| ☐ Contamination in Right of Way | ☐ Sediment Contamination | |
| | Other (specify): _____ | |

Contamination was discovered as a result of:

- | | | |
|--|---|--|
| ☐ Tank closure assessment | ☒ Site assessment | ☐ Other - Describe: _____ |
| Date <input type="text"/> | Date 10/12/2020 | Date <input type="text"/> |

Lab results: ☐ Lab results will be faxed upon receipt ☒ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

No immediate actions taken - historical fill.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

- | | Source | Cause |
|--|---|--|
| For all confirmed releases from USTs occurring after 9/30/2007 please provide the following information: | ☐ Tank | ☐ Spill |
| | ☐ Piping | ☐ Overfill |
| | ☐ Dispenser | ☐ Corrosion |
| | ☐ Submersible Turbine Pump | ☐ Physical or Mechanical Damage |
| | ☐ Delivery Problem | ☐ Installation Problem |
| | ☐ Other (specify): _____ | ☐ Other (does not fit any of above) |
| ☒ Does not apply. | ☐ Unknown | |

Submit this completed form along with any associate lab results using the RR Program Submittal Portal, found on the DNR website at <https://dnr.wi.gov/topic/Brownfields/Submittal.html>.

If you have any questions, please contact the appropriate regional Environmental Program Associate (EPA) listed under the "EPAs" tab at <https://dnr.wi.gov/topic/Brownfields/Contact.html>.

Thank you for your submittal. Your document has been successfully uploaded.

A copy of your confirmation page will also be emailed to you shortly.

Confirmation #: 33537

BRRTS #: Unknown

Site Name:

Type of Report: Notification for Hazardous Substance Discharge (Non-Emergency Only)

Fee Amount: \$0

Name: Roger Miller

Company: GEI Consultants, inc.

Other DNR RR Contact: JAYSON SCHRANK

This submittal contains:

- PFAS sampling results.

Additional Information: Non-emergency notification for hazardous substances detected at 1300 Cleveland Avenue, city of Wausau, WI. We would like to schedule a brief meeting with WDNR, the City of Wausau, and GEI to review these results relative to potential property redevelopment alternatives.

Please send the paper copy of your submittal to DEENA KINNEY. Please see the DNR staff directory to look up the address.

A submittal is not considered complete until the fee (if applicable), paper and electronic copy of the document or report are received, per Wis. Admin. Code § NR 749.04 (1) and § NR 700.11 (3g) respectively.

For more information please see the [Guidance for Submitting Documents to the Remediation and Redevelopment Program \(RR-690\)](#).

If you have questions please contact:

DEENA KINNEY

deena.kinney@wisconsin.gov

() -

Be reminded that site investigations shall include an evaluation of hazardous substance discharges and environmental pollution including emerging contaminants in accordance with Wis. Admin. Code §NR 716.07, and evaluations shall be submitted as part of scoping to the Department in accordance with Wis. Admin. Code §NR. 716.09(2)(d).