ENGINEERING
ARCHITECTURE
ENVIRONMENTAL
PLANNING

OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
TEL: 920-735-6900

June 28, 2019

Mr. Keld Lauridsen
Hydrogeologist/Project Manager
WDNR-Northeast Region RR
2984 Shawano Avenue
Green Bay, WI 54313-6727

RE: Summary of the May 14 & 15, 2019 groundwater sampling events at the former Better Brite Chrome and Zinc Shops.

Dear Keld:

The purpose of this letter report is to summarize the groundwater sampling events conducted on May 14 & 15, 2019 at the former Better Brite chrome and zinc shops. The former Better Brite facilities are located at 519 Lande Street (chrome shop, BRRTS # 02-05-000030) and 315 S. 6th Street (zinc shop, BRRTS # 02-05-000031), De Pere, Wisconsin. (See Figure 1 – Site Location Map.) This report includes:

- Figure 1 – Site Location Map
- Figure 2 – Monitoring Wells – Chrome Site
- Figure 3 – Monitoring Wells – Zinc Site
- Well Specific Field Sheets
- Table 1 – Groundwater Analytical Summary, Better Brite – Chrome Shop
- Table 2 – Groundwater Analytical Summary, Better Brite – Zinc Shop
- Monitoring Well Photograph Summary
- Laboratory Report

Groundwater elevations were only taken at the monitoring points that were sampled. Groundwater elevations were recorded on the well specific field sheets. (See Well Specific Field Sheets.)

Monitoring points W-1 and W-1A would allow the water level meter probe to be placed down the PVC pipe. However, a standard bailer would not freely go down the PVC pipe. (See Monitoring Well Photograph Summary.) A peristaltic pump was used to collect the samples. FOTH purged these monitoring points several times in the weeks leading up to OMNNI's sampling.

Monitoring well covers were inspected at all monitoring points that could be located during the sampling event. The conditions of the covers were noted on the well specific field sheets and photographs of the covers were taken. (See Well Specific Field Sheets and Monitoring Well Photograph Summary.)

Color, odor, and turbidity observations were recorded on well specific field sheets. The well specific field sheets also list the measured depth to water from the top of the PVC pipe, mean sea level groundwater elevation, the length of time spent purging and the approximate gallons of groundwater purged from each monitoring well/piezometer prior to taking the groundwater sample. (See Well Specific Field Sheets.)

Purged groundwater from the monitoring wells and piezometers was collected in 5-gallon buckets. The purged groundwater was placed into the sump in the treatment building located at the former zinc shop site for treatment.

Unfiltered groundwater samples collected from the monitoring wells and zinc shop sump were submitted for laboratory hexavalent chromium analysis. Unfiltered groundwater from the zinc shop sump was also analyzed for cyanide and volatile organic compounds (VOCs). Unfiltered groundwater from monitoring well MW-116 was also analyzed for VOCs. Groundwater analytical methods are included with the laboratory report. (See Laboratory Report.) The laboratory analysis has been summarized in Table 1 and Table 2. (See Table 1 – Groundwater Analytical Summary, Better Brite – Chrome Shop and Table 2 - Groundwater Analytical Summary, Better Brite – Zinc Shop.)

All monitoring locations had lower hexavalent chromium laboratory analysis results than recent events, with the exception of MW-111 which was the same as the 2018 sampling event. In general, VOC results for the zinc shop sump and MW-116 were similar when compared to past sampling events. Groundwater enforcement standard exceedances for hexavalent chromium remain at both sites. At the former chrome shop site, the hexavalent chromium groundwater enforcement standard exceedance remains in MW-116. Groundwater enforcement standard and preventive action limit exceedances of VOCs remain in MW-116. At the former zinc shop site, the hexavalent chromium groundwater enforcement standard was exceeded in monitoring points W-1, W-1A, MW-6, MW-10 and the sump. Groundwater preventive action limit exceedance for cyanide was found in the sump.

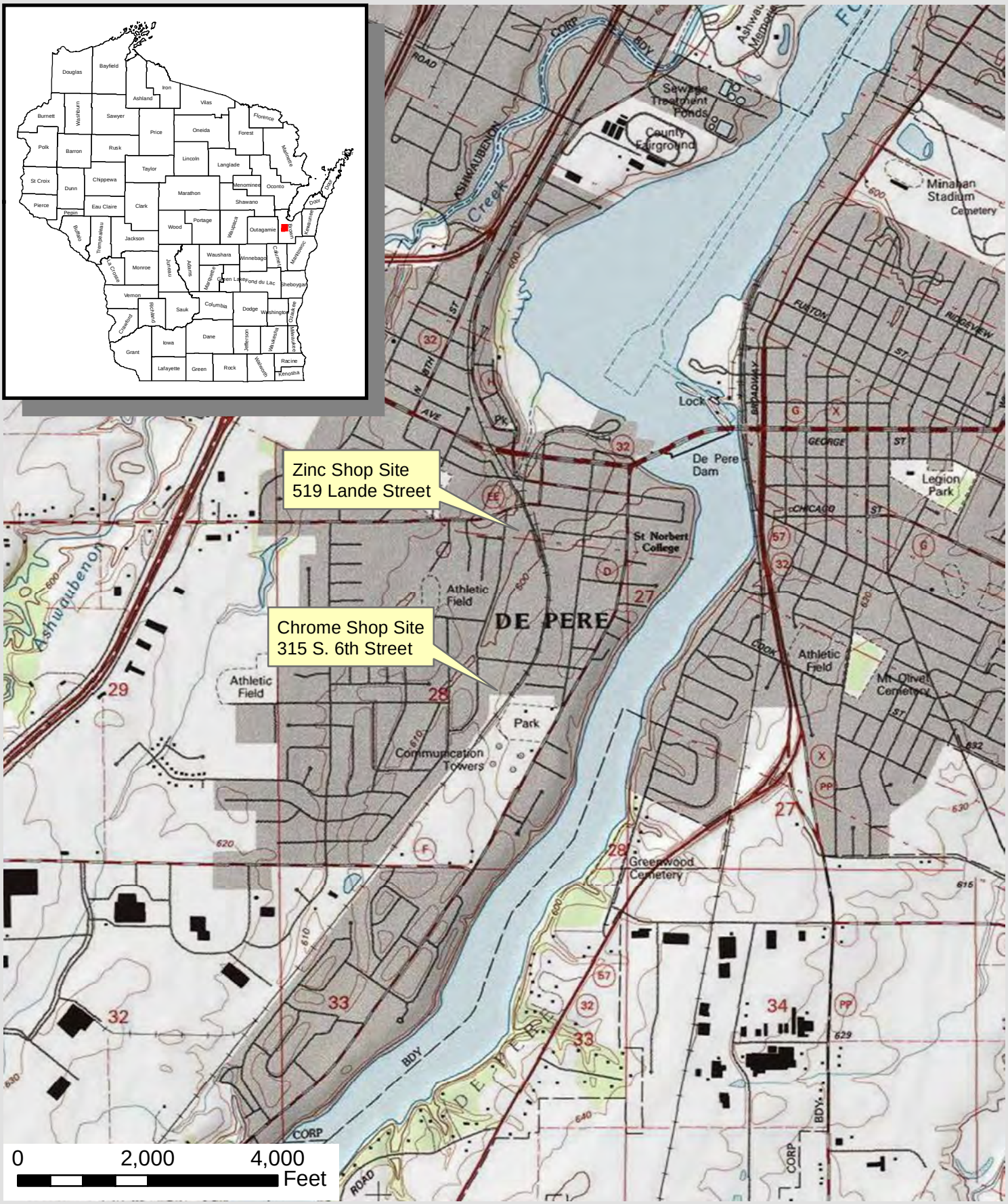
If you have any questions on the enclosed information, please contact me at 920/830-6174 or by email at kkennedy@omnni.com.

Sincerely,
OMNNI Associates, Inc.

Kimberly Kennedy

Kimberly Kennedy
Environmental Techniciain

Attachments



OMNI ASSOCIATES

ONE SYSTEMS DRIVE PHONE (920) 735-6900
APPLETON, WI 54914 FAX (920) 830-6100

N
W E
S

FORMER BETTER BRITE

SITE LOCATION MAP

315 S. 6TH STREET AND 519 LANDE STREET
CITY OF DEPERE, BROWN COUNTY, WISCONSIN

Project Manager:	BDW
Project Engineer:	BDW
Drawn By:	JCW
Checked By:	BDW
Date:	1/13/2014

SCALE: 1 " = 2,000 feet

PROJECT NO. **N1969A07**

FIGURE NO. **1**

F:\ENVIRO\N1969A07 (Better Brite State Lead)\GIS\SiteLocationmap.mxd

N
W E
S

Project Manager:	BDW	
Project Engineer:	BDW	
Drawn By:	JCW	
Checked By:	BDW	
Date:		11/5/2015

BETTER BRITE
MONITORING WELLS - CHROME SITE

CITY OF DE PERE
BROWN COUNTY, WISCONSIN

OMNI ASSOCIATES
ONE SYSTEMS DRIVE
APPLETON, WI 54914
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE:
1 " = 50 '

PROJECT NO.
N1969A07

FIGURE NO.
2

F:\ENVIRON\1969A07 (Better Brite State Lead)\GIS\Basemap_Chrome.mxd

N
W E
S

Project Manager:	BDW		
Project Engineer:	BDW		
Drawn By:	JCW	Checked By:	BDW
		Date:	11/5/2015

BETTER BRITE

MONITORING WELLS - ZINC SITE

CITY OF DE PERE
BROWN COUNTY, WISCONSIN

OMNI ASSOCIATES
ONE SYSTEMS DRIVE APPLETON, WI 54914
PHONE (920) 735-6900
FAX (920) 830-6100

SCALE:
1 " = 50 '

PROJECT NO.
N1969A07

FIGURE NO.
3

F:\ENVIRON\1969A07 (Better Brite State Lead)\GIS\Basemap_Zinc.mxd

Well Specific Field Sheets

Facility Name: Former Better Brite - Chrome Shop
Date: May 15, 2019
Weather Conditions: Sunny, 75F
Person(s) Sampling: Kim Kennedy
Sampling Equipment: Dedicated bailers, Solonist 101 water level meter.

Well Name	MW101	MW104A	MW106	MW106A	MW107	MW107A	MW108	MW108A	MW110	MW110A	MW111	MW112	MW13	MW115	MW115A	MW116
Top of PVC Casing Elevation (MSL)			606.21	606.36	608.41	608.33	604.22	604.44	603.05	603.31	600.76	600.61	611.08	601.04	601.01	604.28
Depth to Bottom of Well (ft)		18.30	14.65	32.09		39.33	15.82	33.27	14.76	23.80	14.38	15.86	15.08	14.48	23.45	18.88
Water Elevation (MSL)	–	–	–	–	–	–	–	–	–	–	596.83	–	–	597.69	589.49	602.70
Measured Depth to Water (ft)	–	–	–	–	–	–	–	–	–	–	3.93	–	–	3.35	11.52	1.58
Time Purging Begun	–	–	–	–	–	–	–	–	–	–	10:43 AM	–	–	11:20 AM	11:07 AM	10:17 AM
Time Purging Completed	–	–	–	–	–	–	–	–	–	–	10:52 AM	–	–	11:31 AM	11:16 AM	10:27 AM
Amount Purged (gal)	–	–	–	–	–	–	–	–	–	–	7.0	–	–	7.0	7.5	11.3
Purged Dry? (Y/N)	–	–	–	–	–	–	–	–	–	–	N	–	–	Y	Y	N
Color (Y/N)	–	–	–	–	–	–	–	–	–	–	N	–	–	N	N	YELLOW
Odor (Y/N)	–	–	–	–	–	–	–	–	–	–	N	–	–	N	SLIGHT	N
Turbidity (Y/N)	–	–	–	–	–	–	–	–	–	–	Y	–	–	Y	Y	N
Time Sample Withdrawn	–	–	–	–	–	–	–	–	–	–	10:52 AM	–	–	11:36 AM	11:32 AM	10:27 AM
Well secured? (Y/N)	–	–	–	–	–	–	–	–	–	–	Y	–	–	Y	Y	Y
Cover Condition	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	One bolt snapped off. Cover in good condition.	Cover in good condition. Both bolts secure.	Concrete surround slightly moves. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.

Purge 2" Well = (Depth to Bottom of Well - Measured Depth to Water) x 0.163 x 4

Well Specific Field Sheets

Facility Name: Former Better Brite - Zinc Shop
Date: May 14, 2019
Weather Conditions: Sunny, 73F
Person(s) Sampling: Kim Kennedy
Sampling Equipment: Dedicated bailers, Solonist 101 water level meter, perastaltic pump for W-1, W-1A.

Well Name	**W-1** (1,2,4)	**W-1A** (1,2,4)	**MW2**	**MW3R**	**MW5**	**MW5A**	**MW6** (4)	**MW6A** (4)	**MW7**	**MW7A**	**MW8**	**MW8A**	**MW9**	**MW10** (4)	**MW11**	**MW12**	**Zinc Sump** (3)
Top of PVC Casing Elevation (MSL)				602.88	600.81	600.81			600.60	600.51	598.18	598.59	601.66		602.41	599.65	603.99
Depth to Bottom of Well (ft)	19.9	31.54	17.65	16.72	15.30	29.72	18.43	18.48	15.86	26.73	11.41	21.73	16.30	14.77	15.62	10.04	20.40
Water Elevation (MSL)	–	–	–	595.83	593.15	–	–	–	–	–	–	–	594.77	–	–	–	–
Measured Depth to Water (ft)	13.73	15.75	–	7.05	7.66	–	10.80	–	–	–	–	–	6.89	4.85	–	–	–
Time Purging Begun	Grab Sample (3)	Grab Sample (3)	Grab Sample (3)	12:32 PM	1:33 PM	–	11:18 AM	–	–	–	–	–	9:43 AM	10:31 AM	–	–	–
Time Purging Completed				12:41 PM	1:43 PM	–	11:27 AM	–	–	–	–	–	9:56 AM	10:45 AM	–	–	–
Amount Purged (gal)				6.3	5.0	–	5.0	–	–	–	–	–	6.3	6.5	–	–	–
Purged Dry? (Y/N)				N	N	–	N	–	–	–	–	–	N	N	–	–	–
Color (Y/N)	L. YELLOW	N	–	N	N	–	N	–	–	–	–	–	N	N	–	–	YELLOW
Odor (Y/N)	N	N	–	N	N	–	N	–	–	–	–	–	N	N	–	–	N
Turbidity (Y/N)	Y	N	–	N	N	–	N	–	–	–	–	–	N	N	–	–	N
Time Sample Withdrawn	12:11 PM	11:58 AM	–	12:41 PM	1:43 PM	–	11:27 AM	–	–	–	–	–	9:56 AM	10:45 AM	–	–	1:08 PM
Well secured? (Y/N)	Y	Y	–	Y	Y	–	Y	–	–	–	–	–	Y	Y	–	–	Y
Cover Condition	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Pro-top in good condition (some rust). Lock secure.	One bolt snapped off. Cover in good condition.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Pro-top in good condition (some rust). Lock secure.	Pro-top in good condition (some rust). Lock secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover is flush when bolted, but well and plug are raised when cover is off. Both bolts secure.	Cover in good condition. Both bolts secure.	Cover in good condition. Both bolts secure.	Gate overgrown with vegetation. Cover in good condition. Locks secure.

1 Depth to bottom of the well is suspect. Felt like soft bottom (sediment).

2 A standard bailer would not fit down the monitoirng well.

3 Sump was not running at time of sample collection.

4 Well height modified. New elevation unknown.

Purge 2" Well = (Depth to Bottom of Well - Measured Depth to Water) x 0.163 x 4

Table 1 Groundwater Analytical Summary, Better Brite - Chrome Shop

519 Lande Street, De Pere, WI BRRTS # 02-05-000030

Sample Location	Date	Detected Parameters (µg/L)																						
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	PCE	1,1,1-TCA	1,1,2-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.5	0.7	7	0.5	40	0.5	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	5	7	70	5	200	5	5	0.2
Chrome Sump (Abandoned)	Aug-94	**620000**	**694000**	NA	NA	NA																		
	Oct-94	**300200**	**297000**	NA	NA	NA																		
	Apr-98	**195000**	**192000**	NA	NA	NA																		
	Jul-98	**132000**		NA	NA	NA																		
French Drain	Aug-94	**25800**	**22000**	NA	NA	NA																		
	Oct-94	**32000**	**31700**	NA	NA	NA																		
	Apr-98	**1060**	**1010**	NA	NA	NA																		
	Jul-98	**336**	**312**	NA	NA	NA																		
B-101	Aug-94	<10	<3.4	NA	NA	NA																		
	Oct-94	<10		NA	NA	NA																		
MW-106	Aug-94	7	<2.8	NA	NA	NA																		
	DUP.	<10	<2.8	NA	NA	NA																		
	Oct-94	<10 J	<3.4 J	NA	NA	NA																		
	DUP.	<10 J	<3.4 J	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	DUP	<10	<5	NA	NA	NA																		
	May-00	<4.2	4	NA	NA	NA																		
	8/26/10	<3.9	5.4	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
MW-106A	Aug-94	<10	<2.8	NA	NA	NA																		
	Oct-94	<10 J	<3.4 J	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	9.4	NA	NA	NA																		
	8/26/10	<3.9	1.1"J"	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
MW-106B (Abandoned)	Aug-94	<10	NA	NA	NA	NA																		
MW-107	Aug-94	<10	4.1 BJ	NA	NA	NA																		
	Oct-94	<10 J	<3.4	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	4.2	NA	NA	NA																		
	Jun-01	NA	NA	**530**	50	NA																		
	Nov-01	<4.2	26	**3900**	NA	1800																		
	May-02	7.8	1.2	230	NA	2300																		
	DUP	**100**	1.9	**490**	NA	2800																		
	Nov-02	NA	NA	**8200**	140000	2300																		
	May-03	<4.2	1.6	**490**	95000	1700																		
	May-04	6.5	1.7	260	100000	NA																		
	May-05	<5.0	0.89	380	97000	NA																		
	8/26/10	<3.9	16.4	**4010**	16400	NA																		
	6/16/11	<3.9	NA	**3130**	83600	NA																		
MW-107A	Aug-94	<10	<2.8	NA	NA	NA																		
	Oct-94	<10 J	<3.4 J	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	16	NA	NA	NA																		
	8/26/10	<3.9	23.2	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
MW-107B (Abandoned)	Aug-94	<10	NA	NA	NA	NA																		

NA - Compound not analyzed
Underlined - Concentration exceeds PAL
Bolded - Concentration exceeds ES

Table 1 Groundwater Analytical Summary, Better Brite - Chrome Shop

519 Lande Street, De Pere, WI BRRTS # 02-05-000030

Sample Location	Date	Detected Parameters (µg/L)																						
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	PCE	1,1,1-TCA	1,1,2-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.5	0.7	7	0.5	40	0.5	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	5	7	70	5	200	5	5	0.2
MW-108	Aug-94	<10	<2.8	NA	NA	NA																		
	Oct-94	<10	<3.4 J	NA	NA	NA																		
	Apr-98	<10	NA	NA	NA	NA																		
	DUP	<10	<5	NA	NA	NA																		
	Jul-09	NA	16.0	NA	NA	NA																		
	8/26/10	<3.9	4.6"J"	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
	12/5/13	<3.4	NA	NA	NA	NA																		
MW-108A	Aug-94	<10	3.0 BJ	NA	NA	NA																		
	Oct-94	<10	<3.4 J	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	55	NA	NA	NA																		
	Jul-09	NA	NA	NA	NA	NA																		
	8/26/10	<3.9	1.3"J"	NA	NA	NA																		
	6/16/11	<3.9	1.3"J"	NA	NA	NA																		
	12/5/13	<8.6	NA	NA	NA	NA																		
MW-108B (Abandoned)	Aug-94	<10	NA	NA	NA	NA																		
MW-109 (Abandoned)	Aug-94	**6780**	**9570**	NA	NA	NA																		
	Oct-94	**2400**	**1980**	NA	NA	NA																		
	DUP.	**3100**	**1700**	NA	NA	NA																		
	Apr-98	**16500**	**18600**	NA	NA	NA																		
	Jul-98	**12200**	**11100**	NA	NA	NA																		
MW-109A (Abandoned)	Aug-94	<10	<2.8	NA	NA	NA																		
	Oct-94	<10	1.3 B	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	Jul-98	<10	7	NA	NA	NA																		
MW-109B (Abandoned)	Aug-94	<10	NA	NA	NA	NA																		
	Oct-94	<10	NA	NA	NA	NA																		
MW-110	Aug-94	<10	3.6 BJ	NA	NA	NA																		
	Oct-94	<10	<3.4 J	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	37	NA	NA	NA																		
	May-04	<2.5	11	**3400**	230000	NA																		
	May-05	<5.0	0.89	82	70000	NA																		
	Oct-06	<6.8	1.8	NA	NA	NA																		
	8/21/07	NA	7.4	NA	NA	NA																		
	7/21/09	NA	5.3	NA	NA	NA																		
	8/26/10	<3.9	2.0 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.75	NA	<0.57	NA	<0.45	<0.9	NA	<0.48	<0.18
	6/16/11	<3.9	NA	NA	NA	NA																		
	10/24/12	<3.9	NA	NA	NA	NA																		
	12/5/13	<3.4	NA	NA	NA	NA																		

NA - Compound not analyzed
Underlined - Concentration exceeds PAL
Bolded - Concentration exceeds ES

Table 1 Groundwater Analytical Summary, Better Brite - Chrome Shop
519 Lande Street, De Pere, WI BRRTS # 02-05-000030

Sample Location	Date	Detected Parameters (µg/L)																						
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	PCE	1,1,1-TCA	1,1,2-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.5	0.7	7	0.5	40	0.5	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	5	7	70	5	200	5	5	0.2
MW-110A	Aug-94	<10	<2.8	NA	NA	NA																		
	Oct-94	<10	<3.4 J	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	25	NA	NA	NA																		
	Oct-06	<6.8	4.2	NA	NA	NA																		
	8/21/07	NA	1.9	NA	NA	NA																		
	7/21/09	NA	1.3	NA	NA	NA																		
	8/26/10	<3.9	1.8 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<0.75	NA	<0.57	NA	<0.45	<0.9	NA	<0.48	<0.18
	6/16/11	<3.9	NA	NA	NA	NA																		
MW-111	Aug-94	<10	<3.4	NA	NA	NA																		
	DUP.	<10	<3.4	NA	NA	NA																		
	Oct-94	<10	<0.70	NA	NA	NA																		
	Apr-98	**226**	<5	NA	NA	NA																		
	Jul-98	22	27	NA	NA	NA																		
	Nov-98	<0.5	<0.5	NA	NA	NA																		
	May-00	<4.2	36	NA	NA	NA																		
	Nov-02	<4.2	43	**4400**	130000	2600																		
	DUP	<4.2	38	**3400**	100000	280																		
	May-03	5.2	33	**2700**	98000	1400																		
	May-04	50	**150**	**5000**	93000	NA																		
	May-05	**250**	**260**	200	87000	NA																		
	Nov-05	<5.0	39	**12000**	98000	NA																		
	DUP	<5.0	55	**21000**	96000	NA																		
	Oct-06	<6.8	16	NA	NA	NA																		
	8/21/07	NA	25	NA	NA	NA																		
	7/21/09	NA	23.6	NA	NA	NA																		
	8/26/10	<3.9	19.8	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
	10/24/11	<3.9	NA	NA	NA	NA																		
	10/24/12	<3.9	NA	NA	NA	NA																		
	12/5/13	<3.4	NA	NA	NA	NA																		
	10/22/15	<3.9	NA	NA	NA	NA																		
	9/20/16	<51	NA	NA	NA	NA																		
	6/13/18	<130	NA	NA	NA	NA																		
	5/15/19	<130	NA	NA	NA	NA																		
MW-112	Oct-94	<10	<0.70	NA	NA	NA																		
	Nov-94	<10	<2.5	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	May-00	<4.2	4.1	NA	NA	NA																		
	8/26/10	<3.9	3.9	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
MW-113	Aug-94	**140**	99.7	NA	NA	NA																		
	Oct-94	<10 J	8.6 B	NA	NA	NA																		
	May-95	43	20.3	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
	Jul-98	<10	12	NA	NA	NA																		
	May-00	<4.2	22	NA	NA	NA																		
	8/26/10	<3.9	24.3	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		

NA - Compound not analyzed
Underlined - Concentration exceeds PAL
Bolded - Concentration exceeds ES

Table 1 Groundwater Analytical Summary, Better Brite - Chrome Shop

519 Lande Street, De Pere, WI BRRTS # 02-05-000030

Sample Location	Date	Detected Parameters (µg/L)																						
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	PCE	1,1,1-TCA	1,1,2-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.5	0.7	7	0.5	40	0.5	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	5	7	70	5	200	5	5	0.2
MW-114 (Abandoned)	Mar-95	<10 J	<2.9	NA	NA	NA																		
	DUP.	<10 J	<2.9	NA	NA	NA																		
	May-95	<10 J	<1.0	NA	NA	NA																		
	DUP.	<10 J	<1.0	NA	NA	NA																		
	Apr-98	<10	<5	NA	NA	NA																		
MW-115	May-00	<4.2	6.0	NA	NA	NA																		
	Jun-01	<4.2	<0.52	160	92	NA																		
	Nov-01	<4.2	12	**1100**	NA	3000																		
	DUP	<4.2	10	**3300**	NA	3300																		
	May-02	<4.2	38	**19000**	NA	2800																		
	Nov-02	<4.2	38	**7000**	130000	3100																		
	May-03	<4.2	**260**	**9700**	90000	1400																		
	DUP	<4.2	56	**3600**	89000	1400																		
	May-04	<2.5	1.3	130	34000	NA																		
	May-05	<5.0	1.1	**320**	44000	NA																		
	Oct-06	<6.8	2.6	NA	NA	NA																		
	8/21/07	NA	10	NA	NA	NA																		
	7/21/09	NA	5.8	NA	NA	NA																		
	8/26/10	<3.9	1.6 J	**3530**	24800	NA																		
	6/16/11	<3.9	NA	**4460**	10000	NA																		
	10/24/11	<3.9	NA	NA	NA	NA																		
	10/24/12	<3.9	NA	NA	NA	NA																		
	12/5/13	<5.7	NA	NA	NA	NA																		
	10/16/14	<3.9	NA	NA	NA	NA																		
	10/22/15	<3.9	NA	NA	NA	NA																		
	9/20/16	<26	NA	NA	NA	NA																		
	6/13/18	<130	NA	NA	NA	NA																		
	5/15/19	<51	NA	NA	NA	NA																		
MW-115A	May-00	<4.2	12.0	NA	NA	NA																		
	Oct-06	<6.8	4.6	NA	NA	NA																		
	8/21/07	NA	2.7	NA	NA	NA																		
	7/21/09	NA	2.9	NA	NA	NA																		
	8/26/10	<3.9	1.4 J	NA	NA	NA																		
	6/16/11	<3.9	NA	NA	NA	NA																		
	10/24/12	<3.9	NA	NA	NA	NA																		
	12/5/13	<8.6	NA	NA	NA	NA																		
	10/16/14	<3.9	NA	NA	NA	NA																		
	10/22/15	<3.9	NA	NA	NA	NA																		
	9/20/16	<26	NA	NA	NA	NA																		
	6/13/18	<130	NA	NA	NA	NA																		
	5/15/19	<51	NA	NA	NA	NA																		

NA - Compound not analyzed
Underlined - Concentration exceeds PAL
Bolded - Concentration exceeds ES

Table 1 Groundwater Analytical Summary, Better Brite - Chrome Shop

519 Lande Street, De Pere, WI BRRTS # 02-05-000030

Sample Location	Date	Detected Parameters (µg/L)																					
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,2-DCA	1,1-DCE	cis-1,2-DCE	PCE	1,1,1-TCA	1,1,2-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.5	0.7	7	0.5	40	0.5	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	5	7	70	5	200	5	5	0.2
MW-116	May-00	**1600**	**470**	NA	NA	NA																		
	DUP.	**1500**	**460**	NA	NA	NA																		
	Nov-00	37	23	NA	NA	NA																		
	DUP	46	24	NA	NA	NA																		
	Jun-01	**4400**	**2300**	**840**	2100	NA																		
	Nov-01	**3300**	**2100**	**690**	NA	2400																		
	May-02	**12000**	**7300**	**530**	NA	2500																		
	Nov-02	**5100**	**3200**	**720**	20000	2900																		
	May-03	**8900**	**6000**	**410**	**2700000**	1700																		
	May-04	**28000**	**22000**	43	19000	NA																		
	DUP	**28000**	**22000**	280	24000	NA																		
	May-05	**52000**	**52000**	**950**	**1900000**	NA																		
	DUP	**54000**	**53000**	**710**	**1800000**	NA																		
	Nov-05	**50000**	**61000**	**840**	**1800000**	NA																		
	Oct-06	**39000**	**36000**	**900**	**1800000**	NA																		
	DUP	**42000**	**36000**	NA	NA	NA																		
	8/21/07	NA	**39,000**	NA	NA	NA																		
	7/21/09	NA	**25,500**	NA	NA	NA																		
	8/26/10	**21,300**	**19,200**	**478**	**1330000**	NA	**162**	2.4 J	0.43 J	NA	10.3	<0.46	<2.2	NA	NA	30.9	NA	**22.1**	NA	3.2	76.9	NA	1.1	**0.21 J**
	8/26/10 LF	**20,200**	**17,700**	NA	NA	NA																		
	4/25/11	**34,600**	NA	NA	**1030000**	NA																		
	6/16/11	**13,800**	NA	240	**1660000**	NA	3.4 "J"	NA	NA	NA	NA	NA	NA	NA	NA	28.1	NA	**25.9**	NA	1.2	84.1	NA	2.2	<0.18
	10/24/11	**18,300**	NA	NA	NA	NA																		
	10/24/12	**22,300**	NA	NA	NA	NA																		
	12/5/13	**17,600**	NA	NA	NA	NA																		
	DUP	**17,500**	NA	NA	NA	NA																		
	10/16/14	**13,300**	NA	NA	NA	NA																		
	10/22/15	**16,500**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	43.5	0.32 J	**40.6**	1.5	1.7	145	0.46 J	1.6	**0.27 J**
	9/20/16	**16,100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.8	<0.34	**34.8**	1.2 J	1.4 J	135	<0.39	1.5 J	<0.35
	6/13/18	**12,100**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.4	<0.34	**37.4**	0.93 J	1.1 J	125	<0.39	1.5 J	<0.35
	5/15/19	**9,800**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38.9	<0.28	**44.3**	1.3	1.2	142	<0.55	2.1	<0.17
CSTW1	4/25/11	<3.9	NA	NA	**1,180,000**	NA																		
CSTW2	4/25/11	<3.9	NA	NA	**2,840,000**	NA																		
CSTW3	4/25/11	**1,000**	NA	NA	**2,010,000**	NA																		
CSTW4	4/25/11	<3.9	NA	NA	**426,000**	NA																		
CSTW5	4/25/11	4.9 "J"	NA	NA	**592,000**	NA																		
CSTW6	4/25/11	<3.9	NA	NA	**608000**	NA																		

NA - Compound not analyzed
Underlined - Concentration exceeds PAL
Bolded - Concentration exceeds ES

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
W-1	10/22/15	**10,300**	NA	NA	NA	NA	**(Grab Sample, no purging)**														
	9/19/16	**9600**	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
	6/12/18	**6600**	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
	5/14/19	**4400**	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
W-1A	10/22/15	**3,300**	NA	NA	NA	NA	**(Grab Sample, no purging)**														
	9/19/16	**2800**	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
	6/12/18	**2700**	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
	5/14/19	**1800**	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
PF-MW-2	May-00	<4.2	7.6	NA	NA	NA															
	Jun-01	<4.2	7.1	NA	NA	NA															
	Nov-01	<4.2	10	NA	NA	NA															
	May-02	<4.2	<0.52	NA	NA	NA															
	Nov-02	<4.2	2.4	NA	NA	NA															
	May-03	<4.2	49	NA	NA	NA															
	10/22/15	<3.9	NA	NA	NA	NA	**(Grab Sample, no purging)**														
	9/19/16	<5.1	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
	6/13/18	<26	NA	NA	NA	NA	**(Grab Sample, previously purged)**														
MW-3/MW3R	May-00	**230**	**330**	NA	NA	NA															
	Nov-00	50	**130**	NA	NA	NA															
	Jun-01	**3500**	**2200**	NA	NA	NA															
	Nov-01	38	**1700**	NA	NA	NA															
	May-02	<4.2	**220**	NA	NA	NA															
	Nov-02	<4.2	18	NA	NA	NA															
	May-03	**110**	55	NA	NA	NA															
	Dup	83	49	NA	NA	NA															
	May-04	89	**190**	NA	NA	NA															
	May-05	<5.0	*17*	NA	NA	NA															
	7/21/09	NA	**717**	NA	NA	NA															
	8/24/10	**660**	**552**	NA	NA	NA															
	6/28/11	**2800**	NA	NA	NA	NA															
	10/24/11	**2200**	NA	NA	NA	NA															
	10/23/12	**560**	NA	NA	NA	NA															
	12/5/13	**140**	NA	NA	NA	NA															
	10/16/14	**190**	NA	NA	NA	NA															
	10/22/15	**100**	NA	NA	NA	NA															
	9/19/16	**380**	NA	NA	NA	NA															
	6/12/18	<130	NA	NA	NA	NA															
	5/14/19	88	NA	NA	NA	NA															

NA - Compound not analyzed
Underlined - Concentration exceeds preventive action limit
Bolded - Concentration exceeds enforcement standard

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
MW-4 (Abandoned)	Aug-94	<10	<3.4	NA	NA	NA															
	DUP	<10	<3.4	NA	NA	NA															
	Oct-94	<10 J	<3.4 J	NA	NA	NA															
	DUP	<10 J	<3.4 J	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	4.6	NA	NA	NA															
	Nov-00	<4.2	2.4	NA	NA	NA															
	Jun-01	<4.2	12	NA	NA	NA															
	Nov-01	<4.2	7.4	NA	NA	NA															
	May-02	<4.2	1.4	NA	NA	NA															
	Nov-02	<4.2	15	NA	NA	NA															
	May-03	<4.2	27	NA	NA	NA															
	May-04	<2.5	1.8	NA	NA	NA															
	May-05	<5.0	9	NA	NA	NA															
	Nov-05	<5.0	12	NA	NA	NA															
MW-4A (Abandoned)	Aug-94	<10	<3.4	NA	NA	NA															
	Oct-94	<10 J	6.0 B	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	8.7	NA	NA	NA															
	Nov-00	<4.2	3.7	NA	NA	NA															
	Jun-01	<4.2	3.7	NA	NA	NA															
	Nov-01	<4.2	13	NA	NA	NA															
	May-02	<4.2	38	NA	NA	NA															
	Nov-02	<4.2	28	NA	NA	NA															
	May-03	<4.2	32	NA	NA	NA															
	May-04	<2.5	0.75	NA	NA	NA															
	May-05	<5.0	2	NA	NA	NA															
	Nov-05	<5.0	2.8	NA	NA	NA															
MW-4B (Abandoned)	Oct-94	<10	<0.70	NA	NA	NA															
	Nov-94	<10	<2.5	NA	NA	NA															

NA - Compound not analyzed
Underlined - Concentration exceeds preventive action limit
Bolded - Concentration exceeds enforcement standard

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
MW-5	Aug-94	**1590**	**827**	NA	NA	NA															
	Oct-94	**460 J**	**299 J**	NA	NA	NA															
	DUP	**510 J**	**763 J**	NA	NA	NA															
	Apr-98	**212**	**631**	NA	NA	NA															
	DUP	**207**	**667**	NA	NA	NA															
	Jul-98	**1420**	**1230**	NA	NA	NA															
	May-00	**120**	**190**	NA	NA	NA															
	Nov-00	<4.2	6.6	NA	NA	NA															
	Jun-01	**590**	**450**	NA	NA	NA															
	Nov-02	**2200**	**2200**	NA	NA	NA															
	DUP	**2200**	**2200**	NA	NA	NA															
	May-03	**4900**	**3600**	NA	NA	NA															
	May-04	**4700**	**3100**	NA	NA	NA															
	May-05	**4000**	**3200**	NA	NA	NA															
	Oct-06	**4900**	**4000**	NA	NA	NA															
	8/21/07	NA	**2,700**	NA	NA	NA															
	7/21/09	NA	**2,210**	NA	NA	NA															
	8/24/10	**1,300**	**1,180**	NA	NA	NA															
	6/28/11	**970**	NA	NA	NA	NA															
	10/24/11	**1,100**	NA	NA	NA	NA															
	10/23/12	**970**	NA	NA	NA	NA															
	12/5/13	**1000**	NA	NA	NA	NA															
	10/22/15	**330**	NA	NA	NA	NA															
	9/19/16	**460**	NA	NA	NA	NA															
	6/12/18	**180**	NA	NA	NA	NA															
	5/14/19	<51	NA	NA	NA	NA															
MW-5A	Aug-94	<10	<3.4	NA	NA	NA															
	Oct-94	<10	<3.4 J	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	6.5	NA	NA	NA															
	Nov-00	**340**	**380**	NA	NA	NA															
	Jun-01	<4.2	3.9	NA	NA	NA															
	Nov-02	<4.2	34	NA	NA	NA															
	May-03	<4.2	22	NA	NA	NA															
	DUP	<4.2	49	NA	NA	NA															
	May-04	<2.5	2.7	NA	NA	NA															
	May-05	<5.0	7.6	NA	NA	NA															
	8/24/10	<3.9	2.5"J"	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-5B (Abandoned)	Aug-94	NA	NA	NA	NA	NA															
	Oct-94	<10	<5	NA	NA	NA															

NA - Compound not analyzed
Underlined - Concentration exceeds preventive action limit
Bolded - Concentration exceeds enforcement standard

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
MW-6	Aug-94	**15900**	**39200**	NA	NA	NA															
	Oct-94	**47000**	**41,900 J**	NA	NA	NA															
	Apr-98	**7650**	**4560**	NA	NA	NA															
	May-00	**23000**	**26000**	NA	NA	NA															
	Nov-00	**26000**	**23000**	NA	NA	NA															
	Jun-01	**14000**	**15000**	NA	NA	NA															
	Nov-01	**25000**	**29000**	NA	NA	NA															
	May-02	**13000**	**13000**	NA	NA	NA															
	Nov-02	**21000**	**22000**	NA	NA	NA															
	May-03	**11000**	**9300**	NA	NA	NA															
	May-04	**13000**	**15000**	NA	NA	NA															
	May-05	**12000**	**11000**	NA	NA	NA															
	DUP	**12000**	**11000**	NA	NA	NA															
	Oct-06	**12000**	**12000**	NA	NA	NA															
	DUP	**14000**	**12000**	NA	NA	NA															
	8/21/07	NA	**8,900**	NA	NA	NA															
	7/21/09	NA	**10,400**	NA	NA	NA															
	8/24/10	**8400**	**7,540**	NA	NA	NA															
	6/28/11	**5200**	NA	NA	NA	NA															
	10/24/11	**6,500**	NA	NA	NA	NA															
	10/23/12	**7,300**	NA	NA	NA	NA															
	12/5/13	**6,100**	NA	NA	NA	NA															
	10/16/14	**3,300**	NA	NA	NA	NA															
	10/22/15	**360**	NA	NA	NA	NA															
	9/20/16	**3500**	NA	NA	NA	NA															
	6/13/18	**1400**	NA	NA	NA	NA															
	5/14/19	**1200**	NA	NA	NA	NA															
MW-6A	Aug-94	<10	4.9 B	NA	NA	NA															
	Oct-94	<10	<3.4 J	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	6.6	22	NA	NA	NA															
	Nov-00	<4.2	13	NA	NA	NA															
	6/01	<4.2	11	NA	NA	NA															
	Nov-01	<4.2	7.1	NA	NA	NA															
	May-02	<4.2	51	NA	NA	NA															
	Nov-02	<4.2	83	NA	NA	NA															
	May-03	<4.2	59	NA	NA	NA															
	May-04	<2.5	3.4	NA	NA	NA															
	May-05	<5.0	*12*	NA	NA	NA															
	8/24/10	<3.9	1.7"J"	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-6B (Abandoned)	Aug-94	<10	NA	NA	NA	NA															

NA - Compound not analyzed
Underlined - Concentration exceeds preventive action limit
Bolded - Concentration exceeds enforcement standard

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop

315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
MW-7	Aug-94	<10	6.6 BJ	NA	NA	NA															
	DUP.	<10	<2.8	NA	NA	NA															
	Oct-94	<10 J	36.4 J	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	DUP	<10	<5	NA	NA	NA															
	May-00	<4.2	3.9	NA	NA	NA															
	Nov-00	<4.2	1.1	NA	NA	NA															
	Jun-01	<4.2	2.7	NA	NA	NA															
	Nov-01	<4.2	9.7	NA	NA	NA															
	May-02	<4.2	3.2	NA	NA	NA															
	Nov-02	<4.2	1.9	NA	NA	NA															
	May-03	<4.2	0.91	NA	NA	NA															
	May-04	<2.5	0.88	NA	NA	NA															
	May-05	<5.0	*32*	NA	NA	NA															
	8/21/07	NA	4.4	NA	NA	NA															
	7/21/09	NA	9	NA	NA	NA															
	8/24/10	<3.9	3.7"J"	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-7A	Aug-94	<10	<2.8	NA	NA	NA															
	Oct-94	<10 J	<3.4 J	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	4.7	NA	NA	NA															
	Nov-00	7.9	5	NA	NA	NA															
	Jun-01	<4.2	2.5	NA	NA	NA															
	Nov-01	<4.2	<.52	NA	NA	NA															
	May-02	<4.2	1.4	NA	NA	NA															
	Nov-02	<4.2	0.98	NA	NA	NA															
	May-03	<4.2	0.85	NA	NA	NA															
	May-04	3.9	2.2	NA	NA	NA															
	May-05	<5.0	*0.65*	NA	NA	NA															
	8/24/10	<3.9	1.6"J"	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-8	Oct-94	<10	<0.70	NA	NA	NA															
	Nov-94	<10	<2.5	NA	NA	NA															
	DUP.	<10	<2.5	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	15	NA	NA	NA															
	Nov-00	13	13	NA	NA	NA															
	Jun-01	5.3	2	NA	NA	NA															
	Nov-01	<4.2	2.3	NA	NA	NA															
	DUP	<4.2	6.7	NA	NA	NA															
	May-02	<4.2	4	NA	NA	NA															
	Nov-02	<4.2	23	NA	NA	NA															
	May-03	<4.2	2.2	NA	NA	NA															
	May-04	<2.5	1.7	NA	NA	NA															
	May-05	<5.0	1.1	NA	NA	NA															
	8/21/07	NA	2.3	NA	NA	NA															
	8/24/10	<3.9	96	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															

NA - Compound not analyzed

Underlined - Concentration exceeds preventive action limit

Bolded - Concentration exceeds enforcement standard

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
MW-8A	Oct-94	<10	<0.70	NA	NA	NA															
	Nov-94	<10	<2.5	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	16	NA	NA	NA															
	Nov-00	<4.2	34	NA	NA	NA															
	Jun-01	<4.2	3.7	NA	NA	NA															
	Nov-01	<4.2	14	NA	NA	NA															
	May-02	<4.2	2.5	NA	NA	NA															
	DUP	<4.2	11	NA	NA	NA															
	Nov-02	<4.2	20	NA	NA	NA															
	May-03	<4.2	13	NA	NA	NA															
	May-04	3.9	0.59	NA	NA	NA															
	May-05	<5.0	2.6	NA	NA	NA															
	8/21/07	NA	0.92	NA	NA	NA															
	8/24/10	<3.9	1.7"J"	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-9	Aug-94	**400**	**697**	NA	NA	NA															
	Oct-94	**470 J**	**442 J**	NA	NA	NA															
	Apr-98	**209**	<5	NA	NA	NA															
	Jul-98	60	75	NA	NA	NA															
	Nov-00	13	15	NA	NA	NA															
	DUP	19	51	NA	NA	NA															
	Jun-01	28	**180**	NA	NA	NA															
	Nov-01	35	76	NA	NA	NA															
	May-02	75	72	NA	NA	NA															
	Nov-02	67	80	NA	NA	NA															
	May-03	32	53	NA	NA	NA															
	May-04	54	63	NA	NA	NA															
	Dup	50	46	NA	NA	NA															
	May-05	28	41	NA	NA	NA															
	Oct-06	17	34	NA	NA	NA															
	8/21/07	NA	52	NA	NA	NA															
	7/21/09	NA	33.3	NA	NA	NA															
	8/24/10	*27*	30.3	NA	NA	NA															
	6/28/11	*14*	NA	NA	NA	NA															
	10/23/12	*18 J*	NA	NA	NA	NA															
	12/5/13	<3.4	NA	NA	NA	NA															
	10/16/14	<3.9	NA	NA	NA	NA															
	10/22/15	<3.9	NA	NA	NA	NA															
	9/19/16	<26	NA	NA	NA	NA															
	6/12/18	<130	NA	NA	NA	NA															
	5/14/19	<51	NA	NA	NA	NA															

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Bolded - Concentration exceeds enforcement standard

Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
MW-10	Aug-94	**60300**	**53100**	NA	NA	NA															
	Oct-94	**60800 J**	**43,500 J**	NA	NA	NA															
	Nov-00	**20000**	**18000**	NA	NA	NA															
	Jun-01	<4.2	20	NA	NA	NA															
	Nov-02	**35000**	**38000**	NA	NA	NA															
	May-03	**38000**	**37000**	NA	NA	NA															
	May-04	**25000**	**22000**	NA	NA	NA															
	Nov-05	**13000**	**13000**	NA	NA	NA															
	Oct-06	**14000**	**13000**	NA	NA	NA															
	8/21/07	NA	**17,000**	NA	NA	NA															
	10/22/15	**10,300**	NA	NA	NA	NA															
	9/19/16	**9,800**	NA	NA	NA	NA															
	6/12/18	**3,200**	NA	NA	NA	NA															
	5/14/19	**1,500**	NA	NA	NA	NA															
MW-11	May-95	<10	<1.0	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	7.0	NA	NA	NA															
	Nov-00	<4.2	4.1	NA	NA	NA															
	Jun-01	<4.2	3.6	NA	NA	NA															
	Nov-01	<4.2	7.8	NA	NA	NA															
	May-02	17	<20	NA	NA	NA															
	Nov-02	<4.2	27	NA	NA	NA															
	May-03	<4.2	12	NA	NA	NA															
	May-04	<2.5	2.3	NA	NA	NA															
	May-05	<5.0	2.8	NA	NA	NA															
	8/24/10	<3.9	8.9	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-12	Mar-95	<10 J	<2.9	NA	NA	NA															
	May-95	<10	<1.0	NA	NA	NA															
	Apr-98	<10	<5	NA	NA	NA															
	May-00	<4.2	4.8	NA	NA	NA															
	Nov-00	<4.2	6	NA	NA	NA															
	jun-01	<4.2	6.4	NA	NA	NA															
	Nov-01	<4.2	<0.52	NA	NA	NA															
	May-02	<4.2	4.8	NA	NA	NA															
	Nov-02	<4.2	1.3	NA	NA	NA															
	May-03	<4.2	1.3	NA	NA	NA															
	May-04	<2.5	1.8	NA	NA	NA															
	May-05	<5.0	8.1	NA	NA	NA															
	8/24/10	<3.9	6.5	NA	NA	NA															
	6/28/11	<3.9	NA	NA	NA	NA															
MW-13	Mar-95	<10 J	<2.9	NA	NA	NA															
	May-95	<10	<1.0	NA	NA	NA															

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Table 2 Groundwater Analytical Summary, Better Brite - Zinc Shop
315 6th Street, De Pere, WI BRRTS # 02-05-000031

Sample Location	Date	Detected Parameters (µg/L)																			
		Hexavalent Chromium	Chromium	Iron	Sulfate	Sulfide	Antimony	Arsenic	Cadmium	Cyanide	Nickel	Silver	Thallium	Cobalt	Vanadium	1,1-DCA	1,1-DCE	PCE	1,1,1-TCA	TCE	VC
NR140 Preventive Action Limit		10	10	150	125,000	NO PAL	1.2	1	0.5	40	20	10	0.4	8	6	85	0.7	0.5	40	0.5	0.02
NR140 Enforcement Standard		100	100	300	250,000	NO ES	6	10	5	200	100	50	2	40	30	850	7	5	200	5	0.2
Zinc Sump	Aug-94	**89000**	**209000**	NA	NA	NA															
	Oct-94	**144900**	**277000**	NA	NA	NA															
	Apr-98	**66000**	**38300**	NA	NA	NA															
	Jul-98	**131000**	**131000**	NA	NA	NA															
	May-00	**1800**	**1700**	NA	NA	NA															
	Nov-00	**41000**	**27000**	NA	NA	NA															
	Jun-01	**40000**	**110000**	NA	NA	NA															
	Nov-01	**23000**	**56000**	NA	NA	NA															
	May-02	**43000**	**14000**	NA	NA	NA															
	Nov-03	**23000**	**30000**	NA	NA	NA															
	May-03	**8400**	**6800**	NA	NA	NA															
	May-04	**24000**	**6400**	NA	NA	NA															
	May-05	**15000**	**13000**	NA	NA	NA															
	Oct-06	**7500**	**5900**	NA	NA	NA															
	8/21/07	NA	**20,000**	NA	NA	NA															
	7/21/09	NA	**14,800**	NA	NA	NA															
	8/24/10	**12,100**	**11,300**	NA	NA	NA	**90.6**	NA	NA	40	NA	NA	<2.2	2.5 J	4.7 J	<0.75	<0.57	<0.45	1.5	<0.48	<0.18
	6/28/11	**4100**	NA	NA	NA	NA	**6.6**	NA	NA	**250**	NA	NA	<2.2	2.5 J	4.7 J	1.2	2.8	*0.84*	38.9	<0.48	<0.18
	10/24/11	**3,700**	NA	NA	NA	NA	**6.0 "J"**	NA	NA	**220**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/23/12	**110**	NA	NA	NA	NA	NA	NA	NA	40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/5/13	**5,100**	NA	NA	NA	NA	NA	NA	NA	**340**	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/16/14	**9,600**	NA	NA	NA	NA	NA	NA	NA	190	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/22/15	**10,200**	NA	NA	NA	NA	NA	NA	NA	**220**	NA	NA	NA	NA	NA	2.9	2.5	1.2	49.0	<0.33	<0.18
	9/19/16	**14,000**	NA	NA	NA	NA	**<7.3**	NA	NA	160	NA	NA	NA	NA	NA	1.4	1.2	0.79J	22.6	<0.33	<0.18
	6/13/18	**9900**	NA	NA	NA	NA	NA	NA	NA	51	NA	NA	NA	NA	NA	<0.24	<0.41	<0.50	2.1	<0.33	<0.18
	5/14/19	**8100**	NA	NA	NA	NA	NA	NA	NA	100	NA	NA	NA	NA	NA	0.68J	1.2	0.45J	14.1	<0.26	<0.17
Private	Aug-94	<10	<10	NA	NA	NA															
Municipal	Aug-94	<10	<10	NA	NA	NA															
	DUP.	<10	<10	NA	NA	NA															
	Oct-94	<10	<10	NA	NA	NA															
	DUP.	<10	<10	NA	NA	NA															
USGS	Oct-94	<10	0.75 B	NA	NA	NA															
USGS-A	Oct-94	<10	11.9	NA	NA	NA															

NA - Compound not analyzed
Underlined - Concentration exceeds preventive action limit
Bolded - Concentration exceeds enforcement standard


05/14/2019


SUMP
05/14/2019


05/14/2019


←MW-1A
MW-1 →
05/14/2019


←MW-1A
MW-1 →
05/14/2019


←MW-1A
MW-1 →
05/14/2019


MW-2
05/14/2019


MW-3R
05/14/2019


05/14/2019


MW-5A ↑
MW-5 ↓
05/14/2019


MW-5A ↑
MW-5 ↓
05/14/2019


← MW-6
MW-6A →
05/14/2019


← MW-6
MW-6A →
05/14/2019


← MW-6
MW-6A →
05/14/2019


MW-7A ↑
↓ MW-7
05/14/2019


MW-7A ↑
↓ MW-7
05/14/2019


MW-7A ↑


05/14/2019


← MW-8A
MW-8 →
05/14/2019


← MW-8A
MW-8 →
05/14/2019


MW-9


MW-10
05/14/2019


MW-11
05/14/2019


MW-12
05/14/2019


MW-101


MW-106A →
← MW-106
05/14/2019


MW-106A →
← MW-106
05/14/2019


HERZOG
05/14/2019


← MW-107
MW-107A →
05/14/2019


← MW-107
MW-107A →
05/14/2019


05/14/2019


← MW-108
MW-108A →


← MW-108
MW-108A →
05/14/2019


05/14/2019


←MW-110A
MW-110→
05/14/2019


←MW-110A
MW-110→
05/14/2019


MW-111
05/15/2019


MW-112
05/14/2019


MW-115
05/14/2019


05/14/2019


←MW-115A
MW-115→
05/14/2019


←MW-115A
MW-115→
05/14/2019


05/14/2019

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 28, 2019

Brian Wayner
Omnni Associates, Inc.
One Systems Drive
Appleton, WI 549141654

RE: Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Dear Brian Wayner:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Chris Rogers, OMNNI ASSOCIATES, INC.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Green Bay Certification IDs

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

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas/NELAP Certification #: E-10177
Kentucky UST Certification #: 80226
Kentucky WW Certification #: 98019
Michigan Department of Environmental Quality, Laboratory #9050
Ohio VAP Certification #: CL0065
Oklahoma Certification #: 2018-101
Texas Certification #: T104704355
West Virginia Certification #: 330
Wisconsin Certification #: 999788130
USDA Soil Permit #: P330-16-00257

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187578001	**TRIP BLANK**	Water	05/14/19 09:15	05/14/19 15:39
40187578002	**W-1**	Water	05/14/19 12:11	05/14/19 15:39
40187578003	**W-1A**	Water	05/14/19 11:58	05/14/19 15:39
40187578004	**MW-3R**	Water	05/14/19 12:41	05/14/19 15:39
40187578005	**MW-5**	Water	05/14/19 13:43	05/14/19 15:39
40187578006	**MW-6**	Water	05/14/19 11:27	05/14/19 15:39
40187578007	**MW-9**	Water	05/14/19 09:56	05/14/19 15:39
40187578008	**MW-10**	Water	05/14/19 10:45	05/14/19 15:39
40187578009	**ZINC SUMP**	Water	05/14/19 13:08	05/14/19 15:39

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40187578001	**TRIP BLANK**	EPA 8260	LAP	64	PASI-G
40187578002	**W-1**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578003	**W-1A**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578004	**MW-3R**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578005	**MW-5**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578006	**MW-6**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578007	**MW-9**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578008	**MW-10**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187578009	**ZINC SUMP**	EPA 8260	LAP	64	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G
		EPA 335.4	GWA	1	PASI-I

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Sample: TRIP BLANK **Lab ID: 40187578001** Collected: 05/14/19 09:15 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/16/19 12:37	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/16/19 12:37	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/16/19 12:37	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/16/19 12:37	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/16/19 12:37	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/16/19 12:37	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/16/19 12:37	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/16/19 12:37	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/16/19 12:37	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/16/19 12:37	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/16/19 12:37	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/16/19 12:37	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/16/19 12:37	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/16/19 12:37	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/16/19 12:37	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/16/19 12:37	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/16/19 12:37	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/16/19 12:37	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/16/19 12:37	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/16/19 12:37	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/16/19 12:37	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/16/19 12:37	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/16/19 12:37	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/16/19 12:37	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/16/19 12:37	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/16/19 12:37	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/16/19 12:37	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/16/19 12:37	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/16/19 12:37	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/16/19 12:37	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/16/19 12:37	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/16/19 12:37	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/16/19 12:37	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/16/19 12:37	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/16/19 12:37	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/16/19 12:37	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/16/19 12:37	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/16/19 12:37	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/16/19 12:37	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/16/19 12:37	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/16/19 12:37	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/16/19 12:37	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/16/19 12:37	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/16/19 12:37	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/16/19 12:37	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/16/19 12:37	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Sample: TRIP BLANK **Lab ID: 40187578001** Collected: 05/14/19 09:15 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/16/19 12:37	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/16/19 12:37	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/16/19 12:37	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/16/19 12:37	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/16/19 12:37	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/16/19 12:37	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/16/19 12:37	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/16/19 12:37	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/16/19 12:37	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/16/19 12:37	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/16/19 12:37	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/16/19 12:37	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/16/19 12:37	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/16/19 12:37	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/16/19 12:37	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		05/16/19 12:37	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		05/16/19 12:37	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/16/19 12:37	2037-26-5	

Sample: W-1 **Lab ID: 40187578002** Collected: 05/14/19 12:11 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**4.4**	mg/L	0.43	0.13	25		05/15/19 09:15		

Sample: W-1A **Lab ID: 40187578003** Collected: 05/14/19 11:58 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**1.8**	mg/L	0.17	0.051	10		05/15/19 09:15		

Sample: MW-3R **Lab ID: 40187578004** Collected: 05/14/19 12:41 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**0.088**	mg/L	0.043	0.013	2.5		05/15/19 09:15		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Sample: MW-5 **Lab ID: 40187578005** Collected: 05/14/19 13:43 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**<0.051**	mg/L	0.17	0.051	10		05/15/19 09:15		D3

Sample: MW-6 **Lab ID: 40187578006** Collected: 05/14/19 11:27 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**1.2**	mg/L	0.17	0.051	10		05/15/19 09:15		

Sample: MW-9 **Lab ID: 40187578007** Collected: 05/14/19 09:56 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**<0.051**	mg/L	0.17	0.051	10		05/15/19 09:15		D3

Sample: MW-10 **Lab ID: 40187578008** Collected: 05/14/19 10:45 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**1.5**	mg/L	0.43	0.13	25		05/15/19 09:15		

Sample: ZINC SUMP **Lab ID: 40187578009** Collected: 05/14/19 13:08 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/16/19 12:59	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/16/19 12:59	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/16/19 12:59	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/16/19 12:59	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/16/19 12:59	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/16/19 12:59	74-83-9	R1
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/16/19 12:59	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/16/19 12:59	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/16/19 12:59	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/16/19 12:59	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/16/19 12:59	108-90-7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Sample: ZINC SUMP **Lab ID: 40187578009** Collected: 05/14/19 13:08 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/16/19 12:59	75-00-3	R1
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/16/19 12:59	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/16/19 12:59	74-87-3	R1
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/16/19 12:59	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/16/19 12:59	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/16/19 12:59	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/16/19 12:59	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/16/19 12:59	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/16/19 12:59	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/16/19 12:59	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/16/19 12:59	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/16/19 12:59	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/16/19 12:59	75-71-8	R1
1,1-Dichloroethane	**0.68J**	ug/L	1.0	0.27	1		05/16/19 12:59	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/16/19 12:59	107-06-2	M1
1,1-Dichloroethene	**1.2**	ug/L	1.0	0.24	1		05/16/19 12:59	75-35-4	R1
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/16/19 12:59	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/16/19 12:59	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/16/19 12:59	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/16/19 12:59	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/16/19 12:59	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/16/19 12:59	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/16/19 12:59	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/16/19 12:59	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/16/19 12:59	108-20-3	M1
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/16/19 12:59	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/16/19 12:59	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/16/19 12:59	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/16/19 12:59	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/16/19 12:59	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/16/19 12:59	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/16/19 12:59	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/16/19 12:59	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/16/19 12:59	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/16/19 12:59	630-20-6	
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/16/19 12:59	79-34-5	
Tetrachloroethene	**0.45J**	ug/L	1.1	0.33	1		05/16/19 12:59	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/16/19 12:59	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/16/19 12:59	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/16/19 12:59	120-82-1	
1,1,1-Trichloroethane	**14.1**	ug/L	1.0	0.24	1		05/16/19 12:59	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/16/19 12:59	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/16/19 12:59	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/16/19 12:59	75-69-4	R1
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/16/19 12:59	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/16/19 12:59	95-63-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
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ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Sample: ZINC SUMP **Lab ID: 40187578009** Collected: 05/14/19 13:08 Received: 05/14/19 15:39 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/16/19 12:59	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/16/19 12:59	75-01-4	R1
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/16/19 12:59	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/16/19 12:59	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		05/16/19 12:59	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		05/16/19 12:59	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/16/19 12:59	2037-26-5	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**8.1**	mg/L	0.86	0.26	50		05/15/19 09:15		
335.4 Cyanide, Total	Analytical Method: EPA 335.4 Preparation Method: EPA 335.4								
Cyanide	**0.10**	mg/L	0.012	0.0037	1	05/23/19 08:16	05/23/19 16:40	57-12-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

QC Batch: 321411 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40187578001, 40187578009

METHOD BLANK: 1866651 Matrix: Water
Associated Lab Samples: 40187578001, 40187578009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/16/19 10:23	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/16/19 10:23	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/16/19 10:23	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/16/19 10:23	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/16/19 10:23	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/16/19 10:23	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/16/19 10:23	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/16/19 10:23	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/16/19 10:23	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/16/19 10:23	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/16/19 10:23	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/16/19 10:23	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/16/19 10:23	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/16/19 10:23	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/16/19 10:23	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/16/19 10:23	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/16/19 10:23	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/16/19 10:23	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/16/19 10:23	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/16/19 10:23	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/16/19 10:23	
2-Chlorotoluene	ug/L	<0.93	5.0	05/16/19 10:23	
4-Chlorotoluene	ug/L	<0.76	2.5	05/16/19 10:23	
Benzene	ug/L	<0.25	1.0	05/16/19 10:23	
Bromobenzene	ug/L	<0.24	1.0	05/16/19 10:23	
Bromochloromethane	ug/L	<0.36	5.0	05/16/19 10:23	
Bromodichloromethane	ug/L	<0.36	1.2	05/16/19 10:23	
Bromoform	ug/L	<4.0	13.2	05/16/19 10:23	
Bromomethane	ug/L	<0.97	5.0	05/16/19 10:23	
Carbon tetrachloride	ug/L	<0.17	1.0	05/16/19 10:23	
Chlorobenzene	ug/L	<0.71	2.4	05/16/19 10:23	
Chloroethane	ug/L	<1.3	5.0	05/16/19 10:23	
Chloroform	ug/L	<1.3	5.0	05/16/19 10:23	
Chloromethane	ug/L	<2.2	7.3	05/16/19 10:23	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/16/19 10:23	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/16/19 10:23	
Dibromochloromethane	ug/L	<2.6	8.7	05/16/19 10:23	
Dibromomethane	ug/L	<0.94	3.1	05/16/19 10:23	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/16/19 10:23	
Diisopropyl ether	ug/L	<1.9	6.3	05/16/19 10:23	
Ethylbenzene	ug/L	<0.22	1.0	05/16/19 10:23	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

METHOD BLANK: 1866651 Matrix: Water
Associated Lab Samples: 40187578001, 40187578009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	05/16/19 10:23	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/16/19 10:23	
m&p-Xylene	ug/L	<0.47	2.0	05/16/19 10:23	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/16/19 10:23	
Methylene Chloride	ug/L	<0.58	5.0	05/16/19 10:23	
n-Butylbenzene	ug/L	<0.71	2.4	05/16/19 10:23	
n-Propylbenzene	ug/L	<0.81	5.0	05/16/19 10:23	
Naphthalene	ug/L	<1.2	5.0	05/16/19 10:23	
o-Xylene	ug/L	<0.26	1.0	05/16/19 10:23	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/16/19 10:23	
sec-Butylbenzene	ug/L	<0.85	5.0	05/16/19 10:23	
Styrene	ug/L	<0.47	1.6	05/16/19 10:23	
tert-Butylbenzene	ug/L	<0.30	1.0	05/16/19 10:23	
Tetrachloroethene	ug/L	<0.33	1.1	05/16/19 10:23	
Toluene	ug/L	<0.17	5.0	05/16/19 10:23	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/16/19 10:23	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/16/19 10:23	
Trichloroethene	ug/L	<0.26	1.0	05/16/19 10:23	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/16/19 10:23	
Vinyl chloride	ug/L	<0.17	1.0	05/16/19 10:23	
4-Bromofluorobenzene (S)	%	93	70-130	05/16/19 10:23	
Dibromofluoromethane (S)	%	103	70-130	05/16/19 10:23	
Toluene-d8 (S)	%	93	70-130	05/16/19 10:23	

LABORATORY CONTROL SAMPLE: 1866652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	49.8	100	70-130	
1,1,1-Trichloroethane	ug/L	50	49.0	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	37.6	75	70-130	
1,1,2-Trichloroethane	ug/L	50	39.7	79	70-130	
1,1-Dichloroethane	ug/L	50	41.8	84	73-150	
1,1-Dichloroethene	ug/L	50	61.6	123	73-138	
1,1-Dichloropropene	ug/L	50	46.4	93	70-130	
1,2,3-Trichlorobenzene	ug/L	50	41.6	83	70-130	
1,2,3-Trichloropropane	ug/L	50	36.2	72	70-130	
1,2,4-Trichlorobenzene	ug/L	50	44.2	88	70-130	
1,2,4-Trimethylbenzene	ug/L	50	46.9	94	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	34.6	69	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	40.5	81	70-130	
1,2-Dichlorobenzene	ug/L	50	46.3	93	70-130	
1,2-Dichloroethane	ug/L	50	37.7	75	75-140	
1,2-Dichloropropane	ug/L	50	44.6	89	73-135	
1,3,5-Trimethylbenzene	ug/L	50	47.9	96	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

LABORATORY CONTROL SAMPLE: 1866652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,3-Dichlorobenzene	ug/L	50	48.4	97	70-130	
1,3-Dichloropropane	ug/L	50	39.8	80	70-130	
1,4-Dichlorobenzene	ug/L	50	45.5	91	70-130	
2,2-Dichloropropane	ug/L	50	53.5	107	70-130	
2-Chlorotoluene	ug/L	50	45.9	92	70-130	
4-Chlorotoluene	ug/L	50	47.5	95	70-130	
Benzene	ug/L	50	40.2	80	70-130	
Bromobenzene	ug/L	50	45.7	91	70-130	
Bromochloromethane	ug/L	50	44.7	89	70-130	
Bromodichloromethane	ug/L	50	44.2	88	70-130	
Bromoform	ug/L	50	44.2	88	68-129	
Bromomethane	ug/L	50	62.8	126	18-159	
Carbon tetrachloride	ug/L	50	48.3	97	70-130	
Chlorobenzene	ug/L	50	47.6	95	70-130	
Chloroethane	ug/L	50	47.2	94	53-147	
Chloroform	ug/L	50	45.3	91	74-136	
Chloromethane	ug/L	50	44.0	88	29-115	
cis-1,2-Dichloroethene	ug/L	50	46.0	92	70-130	
cis-1,3-Dichloropropene	ug/L	50	45.9	92	70-130	
Dibromochloromethane	ug/L	50	41.0	82	70-130	
Dibromomethane	ug/L	50	42.9	86	70-130	
Dichlorodifluoromethane	ug/L	50	31.0	62	10-130	
Diisopropyl ether	ug/L	50	37.7	75	70-130	
Ethylbenzene	ug/L	50	50.7	101	80-124	
Hexachloro-1,3-butadiene	ug/L	50	46.6	93	70-130	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	57.4	115	54-137	
Methylene Chloride	ug/L	50	56.6	113	73-138	
n-Butylbenzene	ug/L	50	49.1	98	70-130	
n-Propylbenzene	ug/L	50	48.4	97	70-130	
Naphthalene	ug/L	50	35.6	71	70-130	
o-Xylene	ug/L	50	53.9	108	70-130	
p-Isopropyltoluene	ug/L	50	50.1	100	70-130	
sec-Butylbenzene	ug/L	50	50.1	100	70-130	
Styrene	ug/L	50	52.4	105	70-130	
tert-Butylbenzene	ug/L	50	48.4	97	70-130	
Tetrachloroethene	ug/L	50	46.0	92	70-130	
Toluene	ug/L	50	45.1	90	80-126	
trans-1,2-Dichloroethene	ug/L	50	59.7	119	73-145	
trans-1,3-Dichloropropene	ug/L	50	39.0	78	70-130	
Trichloroethene	ug/L	50	46.9	94	70-130	
Trichlorofluoromethane	ug/L	50	55.4	111	76-147	
Vinyl chloride	ug/L	50	46.9	94	51-120	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			99	70-130	
Toluene-d8 (S)	%			94	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1867197 1867198

Parameter	Units	40187578009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	<0.27	50	50	45.0	48.1	90	96	70-130	7	20	
1,1,1-Trichloroethane	ug/L	14.1	50	50	54.1	56.2	80	84	70-130	4	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	38.7	39.8	77	80	70-130	3	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	39.4	41.0	79	82	70-137	4	20	
1,1-Dichloroethane	ug/L	0.68J	50	50	38.5	41.1	76	81	73-153	7	20	
1,1-Dichloroethene	ug/L	1.2	50	50	49.5	63.4	97	124	73-138	25	20	R1
1,1-Dichloropropene	ug/L	<0.54	50	50	41.6	45.9	83	92	70-130	10	20	
1,2,3-Trichlorobenzene	ug/L	<0.63	50	50	38.5	41.3	77	83	70-130	7	20	
1,2,3-Trichloropropane	ug/L	<0.59	50	50	44.7	44.5	89	89	70-130	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	40.1	43.5	80	87	70-130	8	20	
1,2,4-Trimethylbenzene	ug/L	<0.84	50	50	42.1	46.5	84	93	70-130	10	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	35.9	37.4	72	75	58-129	4	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	41.2	41.7	82	83	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	41.6	44.8	83	90	70-130	7	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	36.9	38.4	74	77	75-140	4	20	M1
1,2-Dichloropropane	ug/L	<0.28	50	50	39.5	41.9	79	84	71-138	6	20	
1,3,5-Trimethylbenzene	ug/L	<0.87	50	50	42.2	46.2	84	92	70-130	9	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	43.7	47.1	87	94	70-130	7	20	
1,3-Dichloropropane	ug/L	<0.83	50	50	39.3	41.5	79	83	70-130	5	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	41.0	44.7	82	89	70-130	9	20	
2,2-Dichloropropane	ug/L	<2.3	50	50	48.4	52.6	97	105	70-130	8	20	
2-Chlorotoluene	ug/L	<0.93	50	50	40.5	44.4	81	89	70-130	9	20	
4-Chlorotoluene	ug/L	<0.76	50	50	42.1	46.0	84	92	70-130	9	20	
Benzene	ug/L	<0.25	50	50	39.2	42.2	78	84	70-130	7	20	
Bromobenzene	ug/L	<0.24	50	50	42.5	45.7	85	91	70-130	7	20	
Bromochloromethane	ug/L	<0.36	50	50	41.6	43.0	83	86	70-130	3	20	
Bromodichloromethane	ug/L	<0.36	50	50	40.9	42.3	82	85	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	38.9	40.6	78	81	68-129	4	20	
Bromomethane	ug/L	<0.97	50	50	54.8	69.3	110	139	15-170	23	20	R1
Carbon tetrachloride	ug/L	<0.17	50	50	42.9	47.0	86	94	70-130	9	20	
Chlorobenzene	ug/L	<0.71	50	50	43.2	46.9	86	94	70-130	8	20	
Chloroethane	ug/L	<1.3	50	50	41.2	51.0	82	102	51-148	21	20	R1
Chloroform	ug/L	<1.3	50	50	41.3	43.8	82	87	74-136	6	20	
Chloromethane	ug/L	<2.2	50	50	39.1	48.5	78	97	23-115	22	20	R1
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	42.3	44.4	85	89	70-131	5	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	41.8	43.7	84	87	70-130	4	20	
Dibromochloromethane	ug/L	<2.6	50	50	41.3	43.3	83	87	70-130	5	20	
Dibromomethane	ug/L	<0.94	50	50	40.6	41.2	81	82	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	26.8	34.2	54	68	10-132	24	20	R1
Diisopropyl ether	ug/L	<1.9	50	50	34.6	36.5	69	73	70-130	5	20	M1
Ethylbenzene	ug/L	<0.22	50	50	44.5	48.8	89	98	80-125	9	20	
Hexachloro-1,3-butadiene	ug/L	<1.2	50	50	50.9	55.1	102	110	70-130	8	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	45.4	50.0	91	100	70-130	10	20	
m&p-Xylene	ug/L	<0.47	100	100	90.2	99.1	90	99	70-130	9	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1867197 1867198

Parameter	Units	40187578009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Methyl-tert-butyl ether	ug/L	<1.2	50	50	55.4	57.1	111	114	51-145	3	20	
Methylene Chloride	ug/L	<0.58	50	50	46.2	54.1	92	108	73-140	16	20	
n-Butylbenzene	ug/L	<0.71	50	50	44.5	49.5	89	99	70-130	11	20	
n-Propylbenzene	ug/L	<0.81	50	50	42.0	47.1	84	94	70-130	11	20	
Naphthalene	ug/L	<1.2	50	50	36.2	37.3	72	75	70-130	3	20	
o-Xylene	ug/L	<0.26	50	50	45.6	49.2	91	98	70-130	8	20	
p-Isopropyltoluene	ug/L	<0.80	50	50	45.3	50.1	91	100	70-130	10	20	
sec-Butylbenzene	ug/L	<0.85	50	50	44.8	48.9	90	98	70-130	9	20	
Styrene	ug/L	<0.47	50	50	44.2	47.5	88	95	70-130	7	20	
tert-Butylbenzene	ug/L	<0.30	50	50	43.1	48.1	86	96	70-130	11	20	
Tetrachloroethene	ug/L	0.45J	50	50	44.9	48.4	89	96	70-130	7	20	
Toluene	ug/L	<0.17	50	50	42.7	46.5	85	93	80-131	8	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	52.2	59.1	104	118	73-148	12	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	37.5	39.4	75	79	70-130	5	20	
Trichloroethene	ug/L	<0.26	50	50	41.7	45.4	83	91	70-130	9	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	48.4	62.2	97	124	74-147	25	20	R1
Vinyl chloride	ug/L	<0.17	50	50	41.4	51.0	83	102	41-129	21	20	R1
4-Bromofluorobenzene (S)	%						94	96	70-130			
Dibromofluoromethane (S)	%						96	98	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

QC Batch: 321397 Analysis Method: SM 3500-Cr B (Online)
QC Batch Method: SM 3500-Cr B (Online) Analysis Description: Chromium, Hexavalent by 3500
Associated Lab Samples: 40187578002, 40187578003, 40187578004, 40187578005, 40187578006, 40187578007, 40187578008, 40187578009

METHOD BLANK: 1866547 Matrix: Water
Associated Lab Samples: 40187578002, 40187578003, 40187578004, 40187578005, 40187578006, 40187578007, 40187578008, 40187578009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.0051	0.017	05/15/19 09:15	

LABORATORY CONTROL SAMPLE: 1866548

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.3	0.30	98	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1866549 1866550

Parameter	Units	40187578002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	4.4	7.5	7.5	11.7	11.2	98	91	90-110	4	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

QC Batch: 502028 Analysis Method: EPA 335.4
QC Batch Method: EPA 335.4 Analysis Description: 335.4 Cyanide, Total
Associated Lab Samples: 40187578009

METHOD BLANK: 2316680 Matrix: Water
Associated Lab Samples: 40187578009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Cyanide	mg/L	<0.0037	0.012	05/23/19 16:34	

LABORATORY CONTROL SAMPLE: 2316681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.1	0.12	116	90-110	L5

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2316682 2316683

Parameter	Units	50225774001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cyanide	mg/L	ND	0.1	0.1	0.10	0.11	103	103	90-110	0	20	

MATRIX SPIKE SAMPLE: 2316684

Parameter	Units	50225774011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Cyanide	mg/L	0.19	0.1	0.23	37	90-110	M0

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

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.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay
PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
L5	LCS recovery exceeded QC limits. Batch accepted based on matrix spike recovery within LCS limits.
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.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187578

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187578001	**TRIP BLANK**	EPA 8260	321411		
40187578009	**ZINC SUMP**	EPA 8260	321411		
40187578002	**W-1**	SM 3500-Cr B (Online)	321397		
40187578003	**W-1A**	SM 3500-Cr B (Online)	321397		
40187578004	**MW-3R**	SM 3500-Cr B (Online)	321397		
40187578005	**MW-5**	SM 3500-Cr B (Online)	321397		
40187578006	**MW-6**	SM 3500-Cr B (Online)	321397		
40187578007	**MW-9**	SM 3500-Cr B (Online)	321397		
40187578008	**MW-10**	SM 3500-Cr B (Online)	321397		
40187578009	**ZINC SUMP**	SM 3500-Cr B (Online)	321397		
40187578009	**ZINC SUMP**	EPA 335.4	502028	EPA 335.4	502239

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

L01187578

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CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	OMNNI Associates
Branch/Location:	Appleton
Project Contact:	Kim Kennedy
Phone:	920.830.6174
Project Number:	N1969A07/010
Project Name:	Better Brite
Project State:	WI
Sampled By (Print):	Kim Kennedy
Sampled By (Sign):	K Kennedy
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Kim Kennedy
Mail To Company:	OMNNI Associates
Mail To Address:	one Systems Drive Appleton, WI 54914
Invoice To Contact:	
Invoice To Company:	SAME
Invoice To Address:	KKennedy@omnni.com
Invoice To Phone:	920.735.6900

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, W = Water, B = Biota, DW = Drinking Water, C = Charcoal, GW = Ground Water, O = Oil, SW = Surface Water, S = Soil, WW = Waste Water, SI = Sludge, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: Hexavalent Chromium	VOC	CYANIDE	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
	FILTERED? (YES/NO)				Y/N: N	N	N			
	PRESERVATION (CODE)*				Pick Letter: A	B	G			
001	TRIP BLANK	5/14	0915	GW		X				
002	W-1		1211	GW	X					
003	W-1A		1158		X					
004	MW-3R		1241		X					
005	MW-5		1343		X					
006	MW-6		1127		X					
007	MW-9		0956		X					
008	MW-10		1045		X					
009	Zinc Sump		1308		X	X	X			

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
Kim Kennedy	5/14/19 1539	Jane	5/14/19 1539

PACE Project No.: L01187578
Receipt Temp = 4.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal: Present / Not Present, Intact / Not Intact

Version 6.0 06/14/06

C019a(27Jun2006)

ORIGINAL

Client Name: OMNNI

Sample Preservation Receipt Form

Project # 40187578

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

All containers needing preservation have been checked and noted below: ☑Yes ☐No ☐N/A

Initial when completed: SW Date/Time:

Lab Lot# of pH paper: 10453581 Lab Std #ID of preservation (if pH adjusted):

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	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	WGFU	WPFU	SP5T	ZPLC	GN							
001																		2															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											1																						2.5 / 5 / 10
008											1																						2.5 / 5 / 10
009											1	1						3															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, TOX, 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	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical 1241 Bellevue Street, Green Bay, WI 54302	Document Name: **Sample Condition Upon Receipt (SCUR)**	Document Revised: 25Apr2018
	Document No.: **F-GB-C-031-Rev.07**	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: OMNNI

Project #: **WO#: 40187578**

40187578

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: ROT /Corr: _____

Temp Blank Present: ☐ yes ☒ no **Biological Tissue is Frozen:** ☐ yes ☐ no

Person examining contents:
Date: 5-14-19
Initials: SW

Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

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: For Analysis: ☑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: -Includes date/time/ID/Analysis Matrix: W	☐Yes ☑No ☐N/A	12. No collect times 5-14-19 SW
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 423		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5/15/19

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

May 22, 2019

Brian Wayner
Omnni Associates, Inc.
One Systems Drive
Appleton, WI 549141654

RE: Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Dear Brian Wayner:
Enclosed are the analytical results for sample(s) received by the laboratory on May 15, 2019. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Steven Mleczko
steve.mleczko@pacelabs.com
(920)469-2436
Project Manager

Enclosures

cc: Chris Rogers, OMNNI ASSOCIATES, INC.

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Green Bay Certification IDs

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40187620001	**TRIP BLANK**	Water	05/15/19 00:00	05/15/19 12:32
40187620002	**MW-111**	Water	05/15/19 10:52	05/15/19 12:32
40187620003	**MW-115**	Water	05/15/19 11:36	05/15/19 12:32
40187620004	**MW-115A**	Water	05/15/19 11:32	05/15/19 12:32
40187620005	**MW-116**	Water	05/15/19 10:27	05/15/19 12:32

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SAMPLE ANALYTE COUNT

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40187620001	**TRIP BLANK**	EPA 8260	HNW	64	PASI-G
40187620002	**MW-111**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187620003	**MW-115**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187620004	**MW-115A**	SM 3500-Cr B (Online)	DEY	1	PASI-G
40187620005	**MW-116**	EPA 8260	HNW	64	PASI-G
		SM 3500-Cr B (Online)	DEY	1	PASI-G

Pace Analytical Services, LLC
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Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Sample: TRIP BLANK **Lab ID: 40187620001** Collected: 05/15/19 00:00 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/17/19 23:52	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/17/19 23:52	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/17/19 23:52	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/17/19 23:52	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/17/19 23:52	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/17/19 23:52	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/17/19 23:52	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/17/19 23:52	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/17/19 23:52	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/17/19 23:52	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/17/19 23:52	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/17/19 23:52	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/17/19 23:52	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/17/19 23:52	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/17/19 23:52	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/17/19 23:52	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/17/19 23:52	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/17/19 23:52	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/17/19 23:52	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/17/19 23:52	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/17/19 23:52	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/17/19 23:52	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/17/19 23:52	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/17/19 23:52	75-71-8	
1,1-Dichloroethane	**<0.27**	ug/L	1.0	0.27	1		05/17/19 23:52	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/17/19 23:52	107-06-2	
1,1-Dichloroethene	**<0.24**	ug/L	1.0	0.24	1		05/17/19 23:52	75-35-4	
cis-1,2-Dichloroethene	**<0.27**	ug/L	1.0	0.27	1		05/17/19 23:52	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/17/19 23:52	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/17/19 23:52	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/17/19 23:52	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/17/19 23:52	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/17/19 23:52	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/17/19 23:52	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/17/19 23:52	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/17/19 23:52	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/17/19 23:52	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/17/19 23:52	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/17/19 23:52	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/17/19 23:52	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/17/19 23:52	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/17/19 23:52	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/17/19 23:52	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/17/19 23:52	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/17/19 23:52	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/17/19 23:52	630-20-6	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Sample: TRIP BLANK **Lab ID: 40187620001** Collected: 05/15/19 00:00 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/17/19 23:52	79-34-5	
Tetrachloroethene	**<0.33**	ug/L	1.1	0.33	1		05/17/19 23:52	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/17/19 23:52	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/17/19 23:52	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/17/19 23:52	120-82-1	
1,1,1-Trichloroethane	**<0.24**	ug/L	1.0	0.24	1		05/17/19 23:52	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/17/19 23:52	79-00-5	
Trichloroethene	**<0.26**	ug/L	1.0	0.26	1		05/17/19 23:52	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/17/19 23:52	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/17/19 23:52	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/17/19 23:52	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/17/19 23:52	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/17/19 23:52	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/17/19 23:52	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/17/19 23:52	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	100	%	70-130		1		05/17/19 23:52	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		05/17/19 23:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/17/19 23:52	2037-26-5	

Sample: MW-111 **Lab ID: 40187620002** Collected: 05/15/19 10:52 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**<0.13**	mg/L	0.43	0.13	25		05/16/19 09:30		D3

Sample: MW-115 **Lab ID: 40187620003** Collected: 05/15/19 11:36 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**<0.051**	mg/L	0.17	0.051	10		05/16/19 09:30		D3

Sample: MW-115A **Lab ID: 40187620004** Collected: 05/15/19 11:32 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**<0.051**	mg/L	0.17	0.051	10		05/16/19 09:30		D3

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Sample: MW-116 **Lab ID: 40187620005** Collected: 05/15/19 10:27 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	**<0.25**	ug/L	1.0	0.25	1		05/17/19 21:15	71-43-2	
Bromobenzene	**<0.24**	ug/L	1.0	0.24	1		05/17/19 21:15	108-86-1	
Bromochloromethane	**<0.36**	ug/L	5.0	0.36	1		05/17/19 21:15	74-97-5	
Bromodichloromethane	**<0.36**	ug/L	1.2	0.36	1		05/17/19 21:15	75-27-4	
Bromoform	**<4.0**	ug/L	13.2	4.0	1		05/17/19 21:15	75-25-2	
Bromomethane	**<0.97**	ug/L	5.0	0.97	1		05/17/19 21:15	74-83-9	
n-Butylbenzene	**<0.71**	ug/L	2.4	0.71	1		05/17/19 21:15	104-51-8	
sec-Butylbenzene	**<0.85**	ug/L	5.0	0.85	1		05/17/19 21:15	135-98-8	
tert-Butylbenzene	**<0.30**	ug/L	1.0	0.30	1		05/17/19 21:15	98-06-6	
Carbon tetrachloride	**<0.17**	ug/L	1.0	0.17	1		05/17/19 21:15	56-23-5	
Chlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/17/19 21:15	108-90-7	
Chloroethane	**<1.3**	ug/L	5.0	1.3	1		05/17/19 21:15	75-00-3	
Chloroform	**<1.3**	ug/L	5.0	1.3	1		05/17/19 21:15	67-66-3	
Chloromethane	**<2.2**	ug/L	7.3	2.2	1		05/17/19 21:15	74-87-3	
2-Chlorotoluene	**<0.93**	ug/L	5.0	0.93	1		05/17/19 21:15	95-49-8	
4-Chlorotoluene	**<0.76**	ug/L	2.5	0.76	1		05/17/19 21:15	106-43-4	
1,2-Dibromo-3-chloropropane	**<1.8**	ug/L	5.9	1.8	1		05/17/19 21:15	96-12-8	
Dibromochloromethane	**<2.6**	ug/L	8.7	2.6	1		05/17/19 21:15	124-48-1	
1,2-Dibromoethane (EDB)	**<0.83**	ug/L	2.8	0.83	1		05/17/19 21:15	106-93-4	
Dibromomethane	**<0.94**	ug/L	3.1	0.94	1		05/17/19 21:15	74-95-3	
1,2-Dichlorobenzene	**<0.71**	ug/L	2.4	0.71	1		05/17/19 21:15	95-50-1	
1,3-Dichlorobenzene	**<0.63**	ug/L	2.1	0.63	1		05/17/19 21:15	541-73-1	
1,4-Dichlorobenzene	**<0.94**	ug/L	3.1	0.94	1		05/17/19 21:15	106-46-7	
Dichlorodifluoromethane	**<0.50**	ug/L	5.0	0.50	1		05/17/19 21:15	75-71-8	
1,1-Dichloroethane	**38.9**	ug/L	1.0	0.27	1		05/17/19 21:15	75-34-3	
1,2-Dichloroethane	**<0.28**	ug/L	1.0	0.28	1		05/17/19 21:15	107-06-2	
1,1-Dichloroethene	**44.3**	ug/L	1.0	0.24	1		05/17/19 21:15	75-35-4	
cis-1,2-Dichloroethene	**1.3**	ug/L	1.0	0.27	1		05/17/19 21:15	156-59-2	
trans-1,2-Dichloroethene	**<1.1**	ug/L	3.6	1.1	1		05/17/19 21:15	156-60-5	
1,2-Dichloropropane	**<0.28**	ug/L	1.0	0.28	1		05/17/19 21:15	78-87-5	
1,3-Dichloropropane	**<0.83**	ug/L	2.8	0.83	1		05/17/19 21:15	142-28-9	
2,2-Dichloropropane	**<2.3**	ug/L	7.6	2.3	1		05/17/19 21:15	594-20-7	
1,1-Dichloropropene	**<0.54**	ug/L	1.8	0.54	1		05/17/19 21:15	563-58-6	
cis-1,3-Dichloropropene	**<3.6**	ug/L	12.1	3.6	1		05/17/19 21:15	10061-01-5	
trans-1,3-Dichloropropene	**<4.4**	ug/L	14.6	4.4	1		05/17/19 21:15	10061-02-6	
Diisopropyl ether	**<1.9**	ug/L	6.3	1.9	1		05/17/19 21:15	108-20-3	
Ethylbenzene	**<0.22**	ug/L	1.0	0.22	1		05/17/19 21:15	100-41-4	
Hexachloro-1,3-butadiene	**<1.2**	ug/L	5.0	1.2	1		05/17/19 21:15	87-68-3	
Isopropylbenzene (Cumene)	**<0.39**	ug/L	5.0	0.39	1		05/17/19 21:15	98-82-8	
p-Isopropyltoluene	**<0.80**	ug/L	2.7	0.80	1		05/17/19 21:15	99-87-6	
Methylene Chloride	**<0.58**	ug/L	5.0	0.58	1		05/17/19 21:15	75-09-2	
Methyl-tert-butyl ether	**<1.2**	ug/L	4.2	1.2	1		05/17/19 21:15	1634-04-4	
Naphthalene	**<1.2**	ug/L	5.0	1.2	1		05/17/19 21:15	91-20-3	
n-Propylbenzene	**<0.81**	ug/L	5.0	0.81	1		05/17/19 21:15	103-65-1	
Styrene	**<0.47**	ug/L	1.6	0.47	1		05/17/19 21:15	100-42-5	
1,1,1,2-Tetrachloroethane	**<0.27**	ug/L	1.0	0.27	1		05/17/19 21:15	630-20-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Sample: MW-116 **Lab ID: 40187620005** Collected: 05/15/19 10:27 Received: 05/15/19 12:32 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	**<0.28**	ug/L	1.0	0.28	1		05/17/19 21:15	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.1	0.33	1		05/17/19 21:15	127-18-4	
Toluene	**<0.17**	ug/L	5.0	0.17	1		05/17/19 21:15	108-88-3	
1,2,3-Trichlorobenzene	**<0.63**	ug/L	5.0	0.63	1		05/17/19 21:15	87-61-6	
1,2,4-Trichlorobenzene	**<0.95**	ug/L	5.0	0.95	1		05/17/19 21:15	120-82-1	
1,1,1-Trichloroethane	**142**	ug/L	1.0	0.24	1		05/17/19 21:15	71-55-6	
1,1,2-Trichloroethane	**<0.55**	ug/L	5.0	0.55	1		05/17/19 21:15	79-00-5	
Trichloroethene	**2.1**	ug/L	1.0	0.26	1		05/17/19 21:15	79-01-6	
Trichlorofluoromethane	**<0.21**	ug/L	1.0	0.21	1		05/17/19 21:15	75-69-4	
1,2,3-Trichloropropane	**<0.59**	ug/L	5.0	0.59	1		05/17/19 21:15	96-18-4	
1,2,4-Trimethylbenzene	**<0.84**	ug/L	2.8	0.84	1		05/17/19 21:15	95-63-6	
1,3,5-Trimethylbenzene	**<0.87**	ug/L	2.9	0.87	1		05/17/19 21:15	108-67-8	
Vinyl chloride	**<0.17**	ug/L	1.0	0.17	1		05/17/19 21:15	75-01-4	
m&p-Xylene	**<0.47**	ug/L	2.0	0.47	1		05/17/19 21:15	179601-23-1	
o-Xylene	**<0.26**	ug/L	1.0	0.26	1		05/17/19 21:15	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	99	%	70-130		1		05/17/19 21:15	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		1		05/17/19 21:15	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		05/17/19 21:15	2037-26-5	
Chromium, Hexavalent	Analytical Method: SM 3500-Cr B (Online)								
Chromium, Hexavalent	**9.8**	mg/L	0.86	0.26	50		05/16/19 09:30		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

QC Batch: 321680 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40187620001, 40187620005

METHOD BLANK: 1868100 Matrix: Water
Associated Lab Samples: 40187620001, 40187620005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	05/17/19 15:37	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	05/17/19 15:37	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	05/17/19 15:37	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	05/17/19 15:37	
1,1-Dichloroethane	ug/L	<0.27	1.0	05/17/19 15:37	
1,1-Dichloroethene	ug/L	<0.24	1.0	05/17/19 15:37	
1,1-Dichloropropene	ug/L	<0.54	1.8	05/17/19 15:37	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	05/17/19 15:37	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	05/17/19 15:37	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	05/17/19 15:37	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	05/17/19 15:37	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	05/17/19 15:37	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	05/17/19 15:37	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	05/17/19 15:37	
1,2-Dichloroethane	ug/L	<0.28	1.0	05/17/19 15:37	
1,2-Dichloropropane	ug/L	<0.28	1.0	05/17/19 15:37	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	05/17/19 15:37	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	05/17/19 15:37	
1,3-Dichloropropane	ug/L	<0.83	2.8	05/17/19 15:37	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	05/17/19 15:37	
2,2-Dichloropropane	ug/L	<2.3	7.6	05/17/19 15:37	
2-Chlorotoluene	ug/L	<0.93	5.0	05/17/19 15:37	
4-Chlorotoluene	ug/L	<0.76	2.5	05/17/19 15:37	
Benzene	ug/L	<0.25	1.0	05/17/19 15:37	
Bromobenzene	ug/L	<0.24	1.0	05/17/19 15:37	
Bromochloromethane	ug/L	<0.36	5.0	05/17/19 15:37	
Bromodichloromethane	ug/L	<0.36	1.2	05/17/19 15:37	
Bromoform	ug/L	<4.0	13.2	05/17/19 15:37	
Bromomethane	ug/L	<0.97	5.0	05/17/19 15:37	
Carbon tetrachloride	ug/L	<0.17	1.0	05/17/19 15:37	
Chlorobenzene	ug/L	<0.71	2.4	05/17/19 15:37	
Chloroethane	ug/L	<1.3	5.0	05/17/19 15:37	
Chloroform	ug/L	<1.3	5.0	05/17/19 15:37	
Chloromethane	ug/L	<2.2	7.3	05/17/19 15:37	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	05/17/19 15:37	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	05/17/19 15:37	
Dibromochloromethane	ug/L	<2.6	8.7	05/17/19 15:37	
Dibromomethane	ug/L	<0.94	3.1	05/17/19 15:37	
Dichlorodifluoromethane	ug/L	<0.50	5.0	05/17/19 15:37	
Diisopropyl ether	ug/L	<1.9	6.3	05/17/19 15:37	
Ethylbenzene	ug/L	<0.22	1.0	05/17/19 15:37	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

METHOD BLANK: 1868100 Matrix: Water
Associated Lab Samples: 40187620001, 40187620005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	1.3J	5.0	05/17/19 15:37	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	05/17/19 15:37	
m&p-Xylene	ug/L	<0.47	2.0	05/17/19 15:37	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	05/17/19 15:37	
Methylene Chloride	ug/L	<0.58	5.0	05/17/19 15:37	
n-Butylbenzene	ug/L	<0.71	2.4	05/17/19 15:37	
n-Propylbenzene	ug/L	<0.81	5.0	05/17/19 15:37	
Naphthalene	ug/L	<1.2	5.0	05/17/19 15:37	
o-Xylene	ug/L	<0.26	1.0	05/17/19 15:37	
p-Isopropyltoluene	ug/L	<0.80	2.7	05/17/19 15:37	
sec-Butylbenzene	ug/L	<0.85	5.0	05/17/19 15:37	
Styrene	ug/L	<0.47	1.6	05/17/19 15:37	
tert-Butylbenzene	ug/L	<0.30	1.0	05/17/19 15:37	
Tetrachloroethene	ug/L	<0.33	1.1	05/17/19 15:37	
Toluene	ug/L	<0.17	5.0	05/17/19 15:37	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	05/17/19 15:37	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	05/17/19 15:37	
Trichloroethene	ug/L	<0.26	1.0	05/17/19 15:37	
Trichlorofluoromethane	ug/L	<0.21	1.0	05/17/19 15:37	
Vinyl chloride	ug/L	<0.17	1.0	05/17/19 15:37	
4-Bromofluorobenzene (S)	%	100	70-130	05/17/19 15:37	
Dibromofluoromethane (S)	%	101	70-130	05/17/19 15:37	
Toluene-d8 (S)	%	100	70-130	05/17/19 15:37	

LABORATORY CONTROL SAMPLE: 1868101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	50.3	101	70-130	
1,1,2-Trichloroethane	ug/L	50	54.3	109	70-130	
1,1-Dichloroethane	ug/L	50	56.7	113	73-150	
1,1-Dichloroethene	ug/L	50	57.2	114	73-138	
1,2,4-Trichlorobenzene	ug/L	50	48.1	96	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	44.4	89	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	70-130	
1,2-Dichlorobenzene	ug/L	50	47.5	95	70-130	
1,2-Dichloroethane	ug/L	50	54.1	108	75-140	
1,2-Dichloropropane	ug/L	50	53.8	108	73-135	
1,3-Dichlorobenzene	ug/L	50	47.3	95	70-130	
1,4-Dichlorobenzene	ug/L	50	47.4	95	70-130	
Benzene	ug/L	50	58.5	117	70-130	
Bromodichloromethane	ug/L	50	56.2	112	70-130	
Bromoform	ug/L	50	46.2	92	68-129	
Bromomethane	ug/L	50	42.4	85	18-159	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

LABORATORY CONTROL SAMPLE: 1868101

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	51.1	102	70-130	
Chlorobenzene	ug/L	50	50.3	101	70-130	
Chloroethane	ug/L	50	50.5	101	53-147	
Chloroform	ug/L	50	54.9	110	74-136	
Chloromethane	ug/L	50	36.5	73	29-115	
cis-1,2-Dichloroethene	ug/L	50	54.7	109	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.4	99	70-130	
Dibromochloromethane	ug/L	50	46.0	92	70-130	
Dichlorodifluoromethane	ug/L	50	34.2	68	10-130	
Ethylbenzene	ug/L	50	56.0	112	80-124	
Isopropylbenzene (Cumene)	ug/L	50	56.7	113	70-130	
m&p-Xylene	ug/L	100	113	113	70-130	
Methyl-tert-butyl ether	ug/L	50	55.9	112	54-137	
Methylene Chloride	ug/L	50	56.2	112	73-138	
o-Xylene	ug/L	50	55.1	110	70-130	
Styrene	ug/L	50	54.5	109	70-130	
Tetrachloroethene	ug/L	50	53.0	106	70-130	
Toluene	ug/L	50	55.0	110	80-126	
trans-1,2-Dichloroethene	ug/L	50	56.4	113	73-145	
trans-1,3-Dichloropropene	ug/L	50	48.2	96	70-130	
Trichloroethene	ug/L	50	54.5	109	70-130	
Trichlorofluoromethane	ug/L	50	54.4	109	76-147	
Vinyl chloride	ug/L	50	49.2	98	51-120	
4-Bromofluorobenzene (S)	%			107	70-130	
Dibromofluoromethane (S)	%			101	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1868138 1868139

Parameter	Units	40187733004 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	55.1	55.9	110	112	70-130	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	52.3	52.4	105	105	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	56.4	56.8	113	114	70-137	1	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	58.7	59.6	117	119	73-153	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	60.0	60.9	120	122	73-138	1	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	51.0	51.4	102	102	70-130	1	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	46.6	47.1	93	94	58-129	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	53.9	54.7	108	109	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.6	50.2	99	100	70-130	1	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	55.9	56.8	112	114	75-140	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	55.4	56.8	111	114	71-138	3	20	
1,3-Dichlorobenzene	ug/L	<0.63	50	50	49.6	49.9	99	100	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.7	49.9	99	100	70-130	0	20	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1868138 1868139

Parameter	Units	40187733004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	<0.25	50	50	60.9	61.7	122	123	70-130	1	20	
Bromodichloromethane	ug/L	<0.36	50	50	58.6	59.6	117	119	70-130	2	20	
Bromoform	ug/L	<4.0	50	50	48.0	48.1	96	96	68-129	0	20	
Bromomethane	ug/L	<0.97	50	50	49.2	51.5	98	103	15-170	5	20	
Carbon tetrachloride	ug/L	<0.17	50	50	53.3	54.1	107	108	70-130	2	20	
Chlorobenzene	ug/L	<0.71	50	50	52.6	52.4	105	105	70-130	0	20	
Chloroethane	ug/L	<1.3	50	50	52.6	53.9	105	108	51-148	2	20	
Chloroform	ug/L	<1.3	50	50	57.1	57.9	114	116	74-136	1	20	
Chloromethane	ug/L	<2.2	50	50	37.8	38.7	76	77	23-115	2	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	57.0	58.2	114	116	70-131	2	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	51.4	52.2	103	104	70-130	2	20	
Dibromochloromethane	ug/L	<2.6	50	50	47.7	48.1	95	96	70-130	1	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	35.6	35.9	71	72	10-132	1	20	
Ethylbenzene	ug/L	<0.22	50	50	58.3	58.7	117	117	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	58.9	59.4	118	119	70-130	1	20	
m&p-Xylene	ug/L	<0.47	100	100	117	117	117	117	70-130	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	58.3	59.2	117	118	51-145	2	20	
Methylene Chloride	ug/L	<0.58	50	50	58.2	59.4	116	119	73-140	2	20	
o-Xylene	ug/L	<0.26	50	50	57.2	57.3	114	115	70-130	0	20	
Styrene	ug/L	<0.47	50	50	56.3	56.7	113	113	70-130	1	20	
Tetrachloroethene	ug/L	<0.33	50	50	55.1	55.4	110	111	70-130	0	20	
Toluene	ug/L	<0.17	50	50	56.8	57.4	114	115	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	58.8	59.6	118	119	73-148	1	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	49.8	49.9	100	100	70-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	56.3	58.1	113	116	70-130	3	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	56.4	57.6	113	115	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	52.0	51.6	104	103	41-129	1	20	
4-Bromofluorobenzene (S)	%						106	106	70-130			
Dibromofluoromethane (S)	%						100	100	70-130			
Toluene-d8 (S)	%						99	99	70-130			

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

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

QC Batch: 321534 Analysis Method: SM 3500-Cr B (Online)
QC Batch Method: SM 3500-Cr B (Online) Analysis Description: Chromium, Hexavalent by 3500
Associated Lab Samples: 40187620002, 40187620003, 40187620004, 40187620005

METHOD BLANK: 1867274 Matrix: Water
Associated Lab Samples: 40187620002, 40187620003, 40187620004, 40187620005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chromium, Hexavalent	mg/L	<0.0051	0.017	05/16/19 09:30	

LABORATORY CONTROL SAMPLE: 1867275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chromium, Hexavalent	mg/L	0.3	0.30	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1867276 1867277

Parameter	Units	40187620002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chromium, Hexavalent	mg/L	<0.13	7.5	7.5	7.0	7.3	93	97	90-110	4	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.

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

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.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: N1969A07/010 BETTER BRITE
Pace Project No.: 40187620

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40187620001	**TRIP BLANK**	EPA 8260	321680		
40187620005	**MW-116**	EPA 8260	321680		
40187620002	**MW-111**	SM 3500-Cr B (Online)	321534		
40187620003	**MW-115**	SM 3500-Cr B (Online)	321534		
40187620004	**MW-115A**	SM 3500-Cr B (Online)	321534		
40187620005	**MW-116**	SM 3500-Cr B (Online)	321534		

(Please Print Clearly)	
Company Name:	OMNNI Associates
Branch/Location:	Appleton
Project Contact:	Kim Kennedy
Phone:	920.830.6174
Project Number:	N1969A07/010
Project Name:	Better Brite
Project State:	WI
Sampled By (Print):	Kim Kennedy
Sampled By (Sign):	KK
PO #:	Regulatory Program:

Pace Analytical®
www.pacelabs.com

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of 1

40187620

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

Quote #:	
Mail To Contact:	Kim Kennedy
Mail To Company:	OMNNI Associates
Mail To Address:	One Systems Drive Appleton WI 54914
Invoice To Contact:	
Invoice To Company:	SAME
Invoice To Address:	kkennedy@omnni.com
Invoice To Phone:	920.735.6900

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes
A = Air, B = Biota, C = Charcoal, O = Oil, S = Soil, SI = Sludge, W = Water, DW = Drinking Water, GW = Ground Water, SW = Surface Water, WW = Waste Water, WP = Wipe

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: FILTERED? (YES/NO) Y/N	Hexavalent Chromium	VOC	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
					Pick Letter	A	B			
001	Trip Blank	Lab Provided		GW			X			
002	MW-111	5-15	1052			X				
003	MW-115 (KK)		1136			X				
004	MW-115A		1132			X				
005	MW-116		1027			X	X			

JV

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

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

Relinquished By:	Date/Time:	Received By:	Date/Time:
KK	5-15-19 1232		
		05/15/19 1232	

PACE Project No. 40187620

Receipt Temp = R01 °C

Sample Receipt pH OK / Adjusted

Cooler Custody Seal Present / Not Present Intact / Not Intact

C019a(27Jun2006)

Version 6.0 06/14/06

ORIGINAL

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Sample Preservation Receipt Form

Client Name: Omni Project # 40187620

All containers needing preservation have been checked and noted below: □Yes □No ☒N/A Initial when completed: Date/ Time:

Lab Lot# of pH paper: Lab Std #ID of preservation (if pH adjusted):

	Glass							Plastic							Vials						Jars			General								
Pace Lab #	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BG3U	BP1U	BP2N	BP2Z	BP3U	BP3B	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H	VG9M	VG9D	JGFU	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	Volume (mL)
001																		2									1						2.5 / 5 / 10
002											1																						2.5 / 5 / 10
003											1																						2.5 / 5 / 10
004											1																						2.5 / 5 / 10
005											1							3															2.5 / 5 / 10
006																		3	5/15/19 AR														2.5 / 5 / 10
007																																	2.5 / 5 / 10
008																																	2.5 / 5 / 10
009																																	2.5 / 5 / 10
010																																	2.5 / 5 / 10
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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, TOX, 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	DG9A	40 mL amber ascorbic	JGFU	4 oz amber jar unpres
AG1H	1 liter amber glass HCL	BP2N	500 mL plastic HNO3	DG9T	40 mL amber Na Thio	WGFU	4 oz clear jar unpres
AG4S	125 mL amber glass H2SO4	BP2Z	500 mL plastic NaOH, Znact	VG9U	40 mL clear vial unpres	WPFU	4 oz plastic jar unpres
AG4U	120 mL amber glass unpres	BP3U	250 mL plastic unpres	VG9H	40 mL clear vial HCL		
AG5U	100 mL amber glass unpres	BP3B	250 mL plastic NaOH	VG9M	40 mL clear vial MeOH	SP5T	120 mL plastic Na Thiosulfate
AG2S	500 mL amber glass H2SO4	BP3N	250 mL plastic HNO3	VG9D	40 mL clear vial DI	ZPLC	ziploc bag
BG3U	250 mL clear glass unpres	BP3S	250 mL plastic H2SO4			GN:	

Pace Analytical™ 1241 Bellevue Street, Green Bay, WI 54302	Document Name: Sample Condition Upon Receipt (SCUR)	Document Revised: 25Apr2018
	Document No.: F-GB-C-031-Rev.07	Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Project #: WO#: 40187620

40187620

Client Name: Omni

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: /Corr: R01

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.

Person examining contents:
Date: 5/15/19
Initials: DS

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: For Analysis: ☑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. no times DS 5/15/19
-Includes date/time/ID/Analysis Matrix: W		
Trip Blank Present:	☑Yes ☐No ☐N/A	13.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 423		

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5/15/19

Received 8/13/19

OMNNI ASSOCIATES
a Westwood company

1 Systems Drive
Appleton, WI 54914

Keld Lauridsen
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313

INVOICE
No. N1969A07_010-1
08/12/2019

Groundwater sampling at Better Brite, De Pere, WI
N1969A07_010

For Services Rendered Through 7/31/2019
Project Manager: Brian Wayner

Professional Services	Hours	Rate	Amount
Groundwater sampling at Better Brite, De Pere, WI			
Kennedy, Kimberly M	35.25	$75.00	$2,643.75
Wayner, Brian	2.75	$110.00	$302.50
		Sub-total	**$2,946.25**

Expenses	Qty	Rate	Amount
Mileage-OMNNI Vehicle	144.00	$.80	$115.20
		Sub-total	**$115.20**

Sub-Consultants	Date	Invoice	Amount
Pace Analytical Services Inc	5/28/2019	1940066756	$375.00
Pace Analytical Services Inc	5/29/2019	1940066440	$210.00
		Sub-total	**$585.00**
		Invoice Total	**$3,646.45**

Project Manager: Brian Wayner

Approved for payment
Keld Lauridsen 8/13/19

Lauridsen, Keld B - DNR

From: Brian Wayner <Brian.Wayner@omnni.com>
Sent: Tuesday, August 13, 2019 8:52 AM
To: Lauridsen, Keld B - DNR
Subject: OMNNI Invoice for Groundwater Sampling at the Better Brite Site
Attachments: OMNNI Invoice for Better Brite GW sampling 190813.pdf

Hi Keld,

Welcome back. I hope you had a good time.

Attached is the invoice for the Better Brite groundwater sampling event and reporting. If you need a professional services form filled out or any other documentation, please let me know.

Brian D. Wayner, P.E.
Environmental Manager

OMNNI Associates, Inc.
One N. Systems Drive, Appleton, WI 54914-1654
800.571.6677, 920.830.6141 (D), 920.830.6100 (F)
bwayner@omnni.com

ENGINEERING
ARCHITECTURE
ENVIRONMENTAL

OMNNI ASSOCIATES

OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
1-800-571-6677 920-735-6900
FAX 920-830-6100

August 13, 2019

Mr. Keld Lauridsen
Hydrogeologist/Project Manager
WDNR-Northeast Region RR
2984 Shawano Avenue
Green Bay, WI 54313-6727

RE: Former Better Brite Chrome Shop and Zinc Shop – groundwater sampling
OMNNI Invoice

Dear Keld:

Enclosed is OMNNI's invoice for services performed at the former Better Brite facilities. Invoice #N1969A07_010-1 is for groundwater sampling, laboratory analysis, reporting, and correspondence. A paper copy and pdf of the summary report were sent to you. Copies of the laboratory invoices have been enclosed for reference.

If you have any questions regarding this invoice or the project in general, please contact me.

Sincerely,
OMNNI Associates, Inc.

Brian D. Wayner

Brian D. Wayner, P.E.
Environmental Manager

Attachments

OMNNI ASSOCIATES
a Westwood company

1 Systems Drive
Appleton, WI 54914

Keld Lauridsen
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313

INVOICE
No. N1969A07_010-1
08/12/2019

Groundwater sampling at Better Brite, De Pere, WI

N1969A07_010

For Services Rendered Through 7/31/2019

Project Manager: Brian Wayner

Professional Services	Hours	Rate	Amount
Groundwater sampling at Better Brite, De Pere, WI			
Kennedy, Kimberly M	35.25	$75.00	$2,643.75
Wayner, Brian	2.75	$110.00	$302.50
		Sub-total	**$2,946.25**

Expenses	Qty	Rate	Amount
Mileage-OMNNI Vehicle	144.00	$.80	$115.20
		Sub-total	**$115.20**

Sub-Consultants	Date	Invoice	Amount
Pace Analytical Services Inc	5/28/2019	1940066756	$375.00
Pace Analytical Services Inc	5/29/2019	1940066440	$210.00
		Sub-total	**$585.00**
		Invoice Total	**$3,646.45**

Project Manager: Brian Wayner

INVOICE

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
Phone: (920)469-2436

www.pacelabs.com

Invoice Number: 1940066440
Date: 05/22/2019
Total Amount Due: $210.00

Sold To:

Omnni Associates, Inc.
Omnni Associates, Inc.
One Systems Drive
Appleton, WI 54914-1654
(920) 830-6141

Please Remit To:

Pace Analytical Services, LLC
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	*Purchase Order No*	*Pace Project Mgr*	*Terms***	*Page*
40-000578 / OMNNI ASSOC.		Steven Mleczko	Net 30 Days	1

Client Project: N1969A07/010 BETTER BRITE
Client Name: OMNNI ASSOCIATES, INC.
Pace Project No: 40187620
Sample Received: 5/15/2019
Report Sent To: Brian Wayner, Omnni Associates, Inc.
Comments:

Description	Quantity	Price	Total
8260 MSV	1	$0.00	$0.00
8260 MSV	1	$65.00	$65.00
Chromium, Hexavalent	4	$35.00	$140.00
Environmental Impact Fee	1	$5.00	$5.00

Total Number of Charges 7 **Total Invoice Amount** **$210.00**

If you have any questions, please contact Steven Mleczko at Pace.
Phone: (920)469-2436 Email: steve.mleczko@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL $210.00

Amount Paid: $ _____

Check No: _____

Customer No: 40-000578 Invoice No: 1940066440

INVOICE

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
Phone: (920)469-2436

www.pacelabs.com

Invoice Number: 1940066756
Date: 05/28/2019
Total Amount Due: $375.00

Sold To:

Omnni Associates, Inc.
Omnni Associates, Inc.
One Systems Drive
Appleton, WI 54914-1654
(920) 830-6141

Please Remit To:

Pace Analytical Services, LLC
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	*Purchase Order No*	*Pace Project Mgr*	*Terms***	*Page*
40-000578 / OMNNI ASSOC.		Steven Mleczko	Net 30 Days	1

Client Project: N1969A07/010 BETTER BRITE
Client Name: OMNNI ASSOCIATES, INC.
Pace Project No: 40187578
Sample Received: 5/14/2019
Report Sent To: Brian Wayner, Omnni Associates, Inc.
Comments:

Description	Quantity	Price	Total
335.4 Cyanide	1	$25.00	$25.00
8260 MSV	1	$0.00	$0.00
8260 MSV	1	$65.00	$65.00
Chromium, Hexavalent	8	$35.00	$280.00
Environmental Impact Fee	1	$5.00	$5.00

Total Number of Charges 12 **Total Invoice Amount** **$375.00**

If you have any questions, please contact Steven Mleczko at Pace.
Phone: (920)469-2436 Email: steve.mleczko@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL $375.00

Amount Paid: $ _____

Check No: _____

Customer No: 40-000578 Invoice No: 1940066756

Lauridsen, Keld B - DNR

From: Lauridsen, Keld B - DNR
Sent: Thursday, March 28, 2019 11:41 AM
To: 'Kimberly Kennedy'
Cc: Brian Wayner; Herrera, Adrian - DNR; Chronert, Roxanne N - DNR; Fox, Shelley L - DNR
Subject: RE: SOW for groundwater sampling at Better Brite, De Pere, WI

Kim,

This email serves as DNR approval of your cost estimate of $3,663 and a notice to proceed with the requested groundwater sampling SOW at the above referenced site.

I will have groundwater monitoring wells W1 and W1A purged by Foth prior to your arrival.

Let me know when you have it scheduled.

Thanks,

-Keld

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Keld B. Lauridsen
Phone: (920) 662-5420
Keld.Lauridsen@wisconsin.gov

From: Kimberly Kennedy <Kimberly.Kennedy@omnni.com>
Sent: Thursday, March 28, 2019 10:47 AM
To: Lauridsen, Keld B - DNR <Keld.Lauridsen@wisconsin.gov>
Cc: Brian Wayner <Brian.Wayner@omnni.com>
Subject: [WARNING: ATTACHMENT(S) MAY CONTAIN MALWARE]RE: SOW for groundwater sampling at Better Brite, De Pere, WI

Keld,

Attached is our proposed scope of work and level of effort cost to complete the groundwater sampling for the Better Brite sites. Let me know if you have any questions on the attachment. Thank you for allowing us with an opportunity to submit a proposal.

Kim Kennedy
Environmental Technician

OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE, APPLETON, WI 54914
P:920-735-6900 |F:920-830-6100 |D:920-830-6174

From: Lauridsen, Keld B - DNR <Keld.Lauridsen@wisconsin.gov>
Sent: Tuesday, March 26, 2019 4:08 PM
To: Brian Wayner <Brian.Wayner@omnni.com>
Cc: ryan.williamj@epa.gov; Herrera, Adrian - DNR <Adrian.Herrera@wisconsin.gov>; Chronert, Roxanne N - DNR <Roxanne.Chronert@wisconsin.gov>; Fox, Shelley L - DNR <Shelley.Fox@wisconsin.gov>
Subject: SOW for groundwater sampling at Better Brite, De Pere, WI

Brian:

Please provide the Department a cost estimate for the following SOW for a groundwater sampling event at the former Better Brite Zinc and Chrome Shop sites in De Pere, WI. Sampling should be completed as soon as your schedule allows.

Chrome Shop:

Collect groundwater samples from monitoring wells MW111, MW115, MW115A and MW116 using conventional sampling techniques. Groundwater samples are to be analyzed for hexavalent chromium.

Monitoring well MW116 is also to be analyzed for VOC.

Zinc Shop:

Collect groundwater samples from monitoring points W1, W1A, MW3R, MW5, MW6, MW9, MW10 and the Zinc Shop sump using conventional sampling techniques. Grab sampling without any purging is acceptable for monitoring points W1 and W1A due damaged well screens/casings. The Department will make an effort to have the current treatment plant operator (Foth Infrastructure & Environment) purge these 2 wells prior to the next sampling event using plastic tubing and a pump. Groundwater samples from all the monitoring points are to be analyzed for hexavalent chromium.

The Zinc Shop sump is also to be analyzed for cyanide and VOC.

Groundwater elevations are to be determined for all groundwater monitoring points sampled. The groundwater elevation at the Zinc Shop sump should also be determined and included on the well specific field sheets.

Visually inspect all wells not sampled and note if any repairs are needed. If possible, minor repairs can be completed during this sampling event. Any cost associated with well repairs will be paid in addition to the cost estimate for the sampling activities.

All data is to be provided in tabular format attached to a letter update report.

Please let me know if you have any questions.

Thanks,

-Keld

Keld B. Lauridsen
Hydrogeologist – Remediation & Redevelopment Program
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ENGINEERING
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OMNNI ASSOCIATES, INC.
ONE SYSTEMS DRIVE
APPLETON, WI 54914-1654
TEL: 920-735-6900

March 28, 2019

Mr. Keld Lauridsen
Hydrogeologist/Project Manager
DNR-Northeast Region RR
P.O. Box 10448
Green Bay, WI 54307-0448

RE: Better Brite Superfund Site, De Pere, WI
Groundwater Sampling Proposal

Dear Keld:

Attached is our proposed level of effort for the groundwater sampling services requested at the Better Brite Superfund site. Our proposal is in response to your request for a cost estimate emailed on March 26, 2019.

Our level of effort is broken down as follows:

- Preparing for sampling, which includes notifying the Wisconsin Department of Natural Resources (DNR) project manager, coordinating with the laboratory, obtaining sampling containers, preparing labels, preparing chain of custody, Geo7X setup, and mobilization.

- Visual inspection, which includes locating and visually inspecting the cover of the 22 monitoring points which do not require groundwater analysis.

    - We estimated 10 minutes per monitoring point to locate the point, verify the GPS location, take a picture of the monitoring point cover, and note any general issues with the monitoring point cover.

    - If possible, minor repairs would be made to the monitoring well cover. Any cost associated with the monitoring well repairs would be paid in addition to the cost estimate provided for the sampling services.

- Monitoring well sampling, which includes determining the depth of groundwater and collecting a sample from 11 monitoring points.

    - We estimated 45 minutes per sampled monitoring point to locate the point, open the cover, take and record water elevation, decontaminate the water

level meter, purge the monitoring point with the provided bailer, take an unfiltered sample, which will be analyzed for hexavalent chromium, process the sample, complete the chain of custody, clean the cover, note any issues with the monitoring point, and secure the cover. Monitoring well MW116 will also be analyzed for VOCs.

- Sump sampling.
    - We estimated 30 minutes to access the Zinc Shop sump, measure the water level in the sump, collect an unfiltered sample, which will be analyzed for hexavalent chromium, VOCs, and cyanide, process the sample, complete the chain of custody, and secure the sump enclosure.
- Travel time.
    - We estimated two days of mobilization at 2.5 hours per day to travel to the site, travel between the sites, travel to the laboratory, and return to our office.
- Because of the short holding time for hexavalent chromium analysis, we are planning on delivering the samples to Pace Analytical rather than arranging for courier pickup.
- Purge water would be disposed at the treatment facility located at 315 South Sixth Street.
- Reporting/Project Management.
    - The letter report would consist of brief discussion of the sampling activities, the analytical report from the laboratory, summary tables of the analysis, a site location map, monitoring well locations maps with updated monitoring point locations, photographic summary, and well specific field sheets.
    - Project management will consist of reporting to the DNR project manager, and processing invoices.

Assumptions:

- The Zinc Shop sump can be readily accessed (building can be entered, sump enclosure gate can be unlocked and we can access the sump in a straightforward manner).
- All monitoring points can be accessed. The owner of the property that MW-111 is located is home and/or the dogs are not outside.

- W1, W1A and MW2, due to damaged well screens/casings, will be purged by others prior to the sampling event.
- The sampling event can be performed before the ground is snow covered.

We are not intending to provide, but can provide if requested, the following services:

- Groundwater elevations at monitoring points not sampled.
- Groundwater contour maps.
- Monitoring well cover repair, beyond minor repairs.
- Bailer replacement.
- Duplicate samples and analysis.
- pH/Conductivity/Temperature readings.

What we will need from the DNR:

- Access to the properties and treatment facility.
- Authorization to provide the services, in the form of a purchase order, service agreement, contract, or email notification.

We value the relationship built with the DNR on similar projects in the past, and we look forward to continuing to work with you. If you have any questions on our proposed services, please contact me at 920/830-6174 or kkennedy@omnni.com.

Very truly yours,
OMNNI Associates, Inc.

Kimberly Kennedy

Kimberly Kennedy
Environmental Technician

Enclosures

CC: Brian Wayner

Better Brite Groundwater Sampling		**Consultant Fees**		**Equipment/Commodity Costs**			**Total**
Level-of-Effort 2019		Hours	Rate	Quantity	Unit	Unit Cost	
	Groundwater Sampling Event						
Brian	Project Manager/Engineer	4	$110				$440
Jason	GIS/Mapping Engineer	2	$105				$210
Kim	Environmental Technician	18	$75				$1,350
	Mileage			160	mile	$0.80	$128
Pace	Laboratory Analysis - Groundwater						
	Hexavalent Chromium			12	sample	$40	$480
	VOCs			2	sample	$65	$130
	VOCs - Trip Blank			1	sample	$0	$0
	Antimony			0	sample	$12	$0
	Cyanide			1	sample	$35	$35
							$2,773
	Reporting/Project Management						
Brian	Project Manager/Engineer	4	$110				$440
Kim	Environmental Technician	6	$75				$450
							$890

Total Proposed Cost: $3,663

Clarifications:

1. We do not markup subcontractor or commodity items. We have included the subcontractor proposals that we used to prepare the above level-of-effort for your review.
2. If any additional clarification on our proposed level-of-effort is required, please contact us.

OMNNI Associates, Inc.
One Systems Drive
Appleton, WI 54914-1654
1-800-571-6677
920-735-6900
FAX 920-830-6100

Laboratory Quote Reference Number: Pace Analytical 032719

Analytical Parameter	Analysis Method	Estimated Annual Quantity	Unit Price	Extended Price
Groundwater				
Hexavalent Chromium	SW-846-7196A	12	$40	$480.00
VOC	SW-846-8260	2	$65	$130.00
VOC Trip Blank	SW-846-8260	1	$0	$0.00
Antimony		0	$0	$0.00
Total Cyanide	EPA 335.4	1	$35	$35.00
			Total Extended Price:	$645.00

Scope of Services:
Laboratory analysis of groundwater samples collected from a former plating facility.

Site: Better Brite, De Pere, WI
Client: OMNNI Associates, Inc., One Systems Drive, Appleton, WI 54914-1654
Invoice to: OMNNI Associates
Report to: OMNNI Associates

Additional Terms:
1) Laboratory shall perform all tests listed above for the unit prices listed during the term June 2019 – December 2019.
2) Unit prices shall include all necessary sampling containers and vial holders.
3) Subcontracted tests shall be noted on bid form
3) Analysis report shall be available within 14 days after laboratory received samples.
4) An electronic copy of the report shall be provided.
5) The original invoice shall be included with each analysis report for the work done on that report.
6) Contract may be terminated upon failure by the successful bidder to comply with the above terms.