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September 17, 2019

Ms. Janet DiMaggio
Wisconsin Department of Natural Resources
3911 Fish Hatchery Road
Madison, WI 53711

RE: Site Investigation Addendum for the Block System Cleaners Facility Located at
2017 Winnebago Street in Madison, Wisconsin – BRRTS No. 02-13-552132;
ReadyEarth Project no. 11-0604

Dear Ms. DiMaggio:

ReadyEarth Consulting, Inc. (ReadyEarth) is pleased to submit this letter to document the activities conducted under Change Order no. 5 for the above-referenced site (the “site”). ReadyEarth conducted the activities summarized in this letter per the Wisconsin Department of Natural Resources (DNR)-approved scope for reimbursement through the Drycleaner Environmental Response Fund (DERF) program. The submittal of this letter completes the current approved scope.

Drilling and Well Installation

In April 2018, ReadyEarth documented the drilling of four additional borings and installation of four new monitoring wells: MW-9, PZ-2, PZ-3, and PZ-4. The attached Figure B.1.b illustrates the locations of the new wells, other sampling locations, and other general site features. As discussed in the approved scope and subsequent correspondence, the contingency planning for the drilling included air rotary equipment on site for potential bedrock drilling. Bedrock was believed to be encountered during drilling of PZ-2 due to auger refusal at approximately 19.5 feet below ground surface (bgs), and air rotary drilling was employed. However, after some additional drilling, the conditions became conducive to switch back to hollow stem augers. The remainder of the drilling was completed with hollow stem augers and the drilling contractor did not encounter bedrock. Due to the silty nature of the unconsolidated soils and the drilling depths involved, the drilling contractor employed mud rotary techniques after PZ-2 to prevent binding of the equipment and complete the drilling.

ReadyEarth documented the well installation per the details presented in the approved work plan. All piezometers were installed with five-foot screens and in accordance with ch. NR 141 Wis. Adm. Code. The piezometer network was designed for varying depths to define or further evaluate the impacts detected at PZ-1. The downgradient PZ-2 was

installed at approximately 48 feet bgs to monitor impacts along both the vertical and horizontal flow lines. Downgradient PZ-3 was installed at approximately 70 feet bgs to monitor potential deeper contamination or act as a vertical defining well. Piezometer PZ-4 was installed adjacent to PZ-1 and at approximately 60 feet bgs to evaluate those impacts at greater depths. The well network is depicted on the attached B.3.a Geologic Cross-Section Figure and the well construction forms are also attached.

Per the approved scope of work, ReadyEarth collected representative soil samples from the borings to visually classify soils, field screen the samples with a photoionization detector (PID), and submit select soil samples for laboratory analyses. The soil classifications and PID readings are presented on the attached boring logs. ReadyEarth submitted the laboratory soil samples under standard chain-of-custody protocol for analyses of volatile organic compounds (VOCs) via the EPA 8260 method. The laboratory results are discussed further in this section, and are summarized on the attached Table A.2 along with all of the soil analytical data collected to date. The laboratory reports for the April 2018 soil sampling are attached.

The April 2018 soil classifications indicated conditions that were generally consistent with those previously encountered at the site. ReadyEarth did not observe unusual soil features or conditions conducive to preferential migration pathways for groundwater. The only detected compound in soil was tetrachloroethene (PCE) in the 4- to 6-foot depth interval at PZ-4; PCE was detected at an estimated concentration of 42.1 parts per billion (ppb), which is above its residual contaminant level (RCL) for the groundwater pathway of 4.5 ppb. It is not clear as to the source of that soil concentration, and it is possible for it to be a laboratory artifact or due to cross contamination. PCE was not detected in the other three soil samples collected below that sample. ReadyEarth does not consider that single, anomalous, and relatively low concentration as a significant continuing source contributing to overall groundwater impacts at the site.

ReadyEarth also conducted shallow soil sampling through soil probes, which is discussed later in this letter. Based on the entirety of the soil sampling results to date, no further action is required to address soil impacts at the site other than listing the site on the geographic information system (GIS).

ReadyEarth subsequently surveyed the monitoring well network to a City of Madison benchmark with an elevation referenced to mean sea level. ReadyEarth utilized the survey results to determine groundwater elevations and flow directions during the quarterly groundwater sampling events. The results of the groundwater measurements are discussed later in this letter under the groundwater sampling section.

Vapor/Indoor Air Sampling

In April 2018 and April 2019, ReadyEarth collected sub-slab vapor samples and concurrent indoor air samples at the 2000 Atwood building (VP-6 and IA-1). In preparation for the initial event, ReadyEarth installed a new sub-slab vapor sampling port. The sub-slab vapor port installation and vapor/air sampling procedures were consistent with DNR guidance and the approved work plan. The attached Figure B.1.b illustrates the sample locations. The attached Table A.4 summarizes the sub-slab vapor and ambient air analytical results obtained to date. The laboratory reports for the last two sampling rounds are attached.

PCE was detected at a relatively low 5.0 parts per billion by volume (ppbv) in VP-6 during the initial event, which decreased to 1.7 ppbv during the subsequent event. PCE was detected in IA-1 at a concentration of 6.2 ppbv, which decreased to below detection limits (<0.15 ppbv) during the subsequent round. All of the detected PCE concentrations are well below the vapor action limit (VAL) of 27 ppbv for PCE. Trichloroethene (TCE) was also detected in both samples during the second round at relatively low, estimated concentrations of 0.068 ppbv and 0.17 ppbv, respectively, which are both well below the VAL of 1.6 ppbv for TCE.

The vapor/air sampling results confirm that that the vapor pathway does not require any further mitigation with respect to the 2000 Atwood building. The relatively minimal detections are well below the DNR standards and are well below the concentrations detected in the 2009 Winnebago Street property, which adjoins the Block Cleaners building. The DNR has previously stipulated that the sub-slab vapor mitigation systems installed at the 2009 Winnebago Street property and west portion of the subject site are no longer required and can be discontinued.

Overall, the vapor sampling results indicate that the highest concentrations were detected in the basement of the former Block building and consistently decrease with distance from that sampling location. The vapor results suggest the former source area was proximal to the basement of the former Block building.

Additional Soil Probe Investigation

On April 12, 2019, ReadyEarth documented the procedures that Baake Field Services LLC ("Baake") utilized to advance a soil probe at six locations near the former Stoddard UST room. As of the date of the sampling, the portion of the building where the sampling was conducted had been demolished as part of redevelopment plans for the site. That area of the building was slab-on-grade and did not contain a basement. Baake utilized a track-mounted soil probe rig to access the various sampling locations.

The goal of the sampling was to evaluate shallow soils near MW-2, MW-3, and MW-4, and area of the former Stoddard tanks to evaluate potential vadose zone source contamination and potential fill. The locations of the probeholes are illustrated on the attached figure B.1.b.

ReadyEarth collected soil samples at approximate 2-foot intervals for visual classification, field screening with a PID, and potential laboratory analyses. ReadyEarth submitted samples for laboratory analyses from the 2-4 and 6-8 foot intervals of each probehole (12 samples total). ReadyEarth submitted the soil samples to the laboratory under standard chain-of-custody protocol for analyses of VOCs via the EPA 8260 method.

The attached Table A.2 summarizes the soil analytical results obtained to date. The laboratory report for the April 2019 soil probe sampling is attached.

Similar to the initial site investigation sampling, ReadyEarth did not observe any evidence of fill other than typical re-worked soil that would likely be considered exempt from solid waste requirements. ReadyEarth also did not observe any elevated PID readings above background concentrations in vadose soils, and did not observe any odors suggesting any shallow source contamination (ReadyEarth did observe weathered petroleum odors and PID readings coinciding with impacts at the depth of groundwater). Finally, ReadyEarth did not observe any evidence of dense non-aqueous phase liquid (DNAPL) or other obvious continuing contaminant source soils.

The soil analytical results are consistent with the field observations in that virtually all concentrations were below detection limits. The only detection in all twelve samples was one concentration of PCE, which was detected in the P-3:6-8 sample. PCE in that sample was detected at an estimated concentration of 34.3 ppb, which is above the RCL for the groundwater pathway of 4.5 ppb. The presence of the PCE is slightly unusual seeing as it was not detected in the 2- to 4-foot depth interval, and the interval in which it was detected is above the depth of groundwater. It is not clear as to the source of that soil concentration, and it is possible for it to be a laboratory artifact or due to cross contamination. Regardless, ReadyEarth does not consider that single, anomalous, and relatively low concentration as a significant continuing source contributing to overall groundwater impacts at the site. Based on the results to date, no further action is required to address soil impacts at the site other than listing the site on the GIS.

All soil concentrations within the top 4 feet bgs were below detection limits and there are no direct contact issues to be addressed at the time of closure.

Groundwater Sampling

ReadyEarth has completed the four quarterly sampling events under the DNR-approved scope. The attached Table A.1 summarizes the groundwater analytical results and Table A.6 summarizes the groundwater level measurements obtained to date. The laboratory reports for the past four groundwater sampling events are attached. During the initial sampling event, ReadyEarth developed each of the new monitoring wells in accordance with ch. NR 141 Wis. Adm. Code. The well development forms are attached.

The attached figures B.3.c.1 through B.3.c.4 illustrate the groundwater elevation measurements and groundwater flow directions over the past four sampling rounds. The groundwater elevations indicate slightly variable flow directions; however, the variations are generally consistent over time. The overall groundwater flow direction is to the southwest with a slight radial pattern in the central portion of the site. ReadyEarth opines that the layout of the existing well network is sufficient to adequately monitor the groundwater impacts associated with the site.

The remainder of this section discusses the groundwater results obtained to date. Overall, the analytical results continue to demonstrate consistency with the preponderance of the previous data and indicate that the PCE concentrations are predominantly decreasing over time. The attached Table A.7 illustrates the PCE concentrations and groundwater elevations over time.

Regarding the shallow water table wells, the upgradient wells MW-7 and MW-8 continue to exhibit concentrations below detection limits; the perimeter sidegradient wells MW-1, MW-2, and MW-5 continue to exhibit relatively low and stable or decreasing concentrations. The PCE concentrations in downgradient well MW-6 have demonstrated decreases over virtually ten consecutive events. The new downgradient well MW-9 exhibited PCE during only the initial event and at an estimated concentration of 0.55 ppb, which is only slightly above the preventive action limit (PAL) of 0.5 ppb. PCE has been below detection limits in MW-9 during the past three consecutive events. Notably, MW-4, which is closest to the likely former source area, has demonstrated consecutive decreases over the past three events. The concentrations in MW-4 have attenuated approximately 79% from its peak concentration in 2013.

Regarding the deeper wells, the PCE concentrations in PZ-1 (installed at approximately 36 feet bgs) have generally been the highest recorded at the site (highest concentration measured to date is 548 ppb). The PCE concentrations in PZ-1 have decreased over the last two consecutive events and PCE was at its second lowest recorded concentration in PZ-1 during the most recent sampling event (161 ppb in April 2019).

PZ-4 is nested with PZ-1 and is installed at approximately 60 feet bgs. PCE was initially detected in PZ-4 at a relatively low 29.1 ppb, and the PCE concentrations have consecutively decreased over each event down to 5.4 ppb during the April 2019 event. That concentration is only slightly above the ES of 5 ppb, and that piezometer appears to adequately define the vertical extent of impacts at the site to the extent practicable. The PCE concentrations are below the preventive action limit (PAL) or ES in both downgradient piezometers PZ-2 and PZ-3, which adequately define the lateral extent of impacts at the site. The PCE impacts appear to be defined to the extent practicable and are demonstrating natural attenuation through decreasing concentration trends.

The results of the groundwater sampling demonstrate that the extent of the plume has been adequately defined and that further investigation in the downgradient direction is not warranted.

Conclusions and Recommendations

Overall, the soil, vapor, and groundwater sampling results continue to remain consistent with the preponderance of the previous data collected for the site.

The soil sampling conducted concurrently with the drilling and probeholes revealed evidence that there are no significant continuing source areas at the site. The soil sampling also revealed that all concentrations within the top four feet bgs are below the direct contact pathway RCLs and a direct contact barrier will not be required at the time of closure. There are select soil concentrations that are above the groundwater pathway RCLs, which will require the site to be listed on the soil GIS as a condition of closure.

The additional vapor sampling at the 2000 Atwood property indicates that the vapor pathway does not require any further mitigation for that property. The concentrations are less than the VALs and are below the concentrations detected at the site and other adjoining property where the DNR has already granted the discontinuation of any vapor mitigation system.

The groundwater data shows that the concentrations at the site are decreasing or, at a minimum, stable over at least the past four sampling rounds and several more rounds for those wells with more data.


The preponderance of the data indicates that the site investigation has defined the degree and extent of the impacts associated with the site to the extent practicable. It is ReadyEarth's recommendation that a closure request be prepared for this site.

This addendum completes the approved scope for the site. ReadyEarth will prepare a change order under separate cover to request approval of the costs to prepare and compile a closure request and GIS information.

If you have any questions or comments regarding this submittal, please call me at (262) 522-3520.

Sincerely,

ReadyEarth Consulting, Inc.

A handwritten signature in black ink, appearing to read "Jason E. Bartley". The signature is fluid and cursive, with the first name "Jason" being the most prominent.

Jason E. Bartley, P.G.
President

attachments

cc: Cindy Harris
Peder Moren, Elizabeth Rae, Todd Jindra - JET Venture LLC

11-0604w

A.1 Groundwater Analytical Table (Pg 1 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-1													NR 140 PALs	NR 140 ESs
Sample Date	12/21/11	3/22/12	6/15/12	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)															
benzene	<0.41	<0.41	<0.41	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	<0.56	<0.56	<0.56	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<0.93	<0.93	<0.93	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	-	-
sec-butylbenzene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85	<0.85	-	-
tert-butylbenzene	<0.97	<0.97	<0.97	<0.97	<0.9	<0.42	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30	<0.30	-	-
chloromethane	<0.24	<0.24	<0.24	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<i>7.4</i>	<2.2	<i>3</i>	30
dibromochloromethane	<0.81	<0.81	<0.81	<0.81	<0.81	<1.9	<0.32	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<0.95	<0.95	<0.95	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	<0.75	<0.75	<0.75	<0.75	<0.75	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<i>85</i>	850
1,1-dichloroethene	<0.57	<0.57	<0.57	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	<0.49	<0.49	<0.49	<0.49	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	<i>0.5</i>	5
ethylbenzene	<0.54	<0.54	<0.54	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.59	<0.59	<0.59	<0.59	<0.59	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	-	-
p-isopropyltoluene	<0.67	<0.67	<0.67	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80	<0.80	-	-
naphthalene	<0.89	<0.89	<0.89	<0.89	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<0.81	<0.81	<0.81	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	-	-
tetrachloroethene	6.2	5.6	3.7	8.3	3.4	4.8	5.1	5.5	4.6	3.9	3.8	3.7	2.8	<i>0.5</i>	5
toluene	<0.67	<0.67	<0.67	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	<i>160</i>	800
trichloroethene	<0.48	<0.48	<0.48	<0.48	<0.48	<0.43	<0.33	<0.33	<0.33	<0.33	<0.26	<0.26	<0.26	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.97	<0.97	<0.97	<0.97	<0.97	<0.57	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<0.83	<0.83	<0.83	<0.83	<0.83	<2.5	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87	<0.87		
vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<1.5	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<2.63	<2.63	<2.63	<2.63	<2.63	<1.32	<1.50	<0.18	<1.5	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 2 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-2													NR 140 PALs	NR 140 ESs	
Sample Date	12/21/11	3/22/12	6/15/12	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19			
Volatile Organic Compounds (µg/kg)														Not sampled due to presence of renovation dumpster		
benzene	<0.41	<0.41	<0.41	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25			<i>0.5</i>	5.0
bromodichloromethane	<0.56	<0.56	<0.56	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36			<i>0.06</i>	0.6
n-butylbenzene	<0.93	<0.93	<0.93	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.81	<0.71			-	-
sec-butylbenzene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85			-	-
tert-butylbenzene	<0.97	<0.97	<0.97	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30			-	-
chloromethane	<0.24	<0.24	<0.24	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	<0.50	<i>5.0 J</i>	2.5 J			<i>3</i>	30
dibromochloromethane	<0.81	<0.81	<0.81	<0.81	<0.81	<1.9	<0.32	<0.50	<0.50	<0.50	<2.6	<2.6			<i>6</i>	60
1,2-dichlorobenzene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71			<i>60</i>	600
1,4-dichlorobenzene	<0.95	<0.95	<0.95	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.94	<0.94			<i>15</i>	75
1,1-dichloroethane	<0.75	<0.75	<0.75	<0.75	<0.75	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.27			<i>85</i>	850
1,1-dichloroethene	<0.57	<0.57	<0.57	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24			<i>0.7</i>	7
cis-1,2-dichloroethene	<i>63.3</i>	1.2	<0.83	<i>15.7</i>	<0.83	3.1	3.9	110	4.0	<0.26	<0.27	<0.27			<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.37	0.42 J	4.0	<0.26	<0.26	<1.1	<1.1			<i>20</i>	100
1,2-dichloropropane	<0.49	<0.49	<0.49	<0.49	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.28	<0.28			<i>0.5</i>	5
ethylbenzene	<0.54	<0.54	<0.54	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22			<i>140</i>	700
isopropylbenzene	<0.59	<0.59	<0.59	<0.59	<0.59	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39			-	-
p-isopropyltoluene	<0.67	<0.67	<0.67	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80			-	-
naphthalene	<0.89	<0.89	<0.89	<0.89	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2			<i>10</i>	100
n-propylbenzene	<0.81	<0.81	<0.81	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81			-	-
tetrachloroethene	35.3	7.6	7.3	11.7	7.2	8.2	5.9	14.5	6.3	5.7	8.0	8.9		<i>0.5</i>	5	
toluene	<0.67	<0.67	<0.67	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17		<i>160</i>	800	
trichloroethene	<i>4.3</i>	<0.48	<0.48	<i>1.5</i>	<0.48	<0.43	<0.33	<i>1.2</i>	<0.33	<0.33	<0.26	<0.26		<i>0.5</i>	5	
1,2,4-trimethylbenzene	<0.97	<0.97	<0.97	<0.97	<0.97	<0.57	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84		<i>96</i>	480	
1,3-5-trimethylbenzene	<0.83	<0.83	<0.83	<0.83	<0.83	<2.5	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87				
vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	0.27 J	<0.18	<0.18	<0.17	<0.17		<i>0.02</i>	0.2	
total xylenes	<2.63	<2.63	<2.63	<2.63	<2.63	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.73		<i>400</i>	2,000	

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 3 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-3													NR 140 PALs	NR 140 ESs
Sample Date	12/21/11	3/22/12	6/15/12	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)															
benzene	<0.41	<0.82	<0.82	<0.82	<0.82	<1.0	<1.0	<1.0	<0.50	<1.0	<0.49	<0.49	<0.49	<i>0.5</i>	5.0
bromodichloromethane	<0.56	<1.1	<1.1	<1.1	<1.1	<0.91	<1.0	<1.0	<1.0	<1.0	<0.73	<0.73	<0.73	<i>0.06</i>	0.6
n-butylbenzene	<0.93	<1.9	<1.9	<1.9	<1.9	<0.80	<1.0	<1.0	<1.0	<1.0	<1.4	<1.4	<1.4	-	-
sec-butylbenzene	<0.89	<1.8	<1.8	<1.8	<1.8	<1.2	<4.4	<4.4	<4.4	<4.4	<1.7	<1.7	<1.7	-	-
tert-butylbenzene	<0.97	<1.9	<1.9	<1.9	<1.9	<0.85	<0.36	<0.36	<0.36	<0.36	<0.61	<0.61	<0.61	-	-
chloromethane	<0.24	<0.48	<0.48	<0.48	<0.48	<0.78	<1.0	<1.0	<1.0	<1.0	<4.4	<4.4	<4.4	<i>3</i>	30
dibromochloromethane	<0.81	<1.6	<1.6	<1.6	<1.6	<3.8	<0.64	<1.0	<1.0	<1.0	<5.2	<5.2	<5.2	<i>6</i>	60
1,2-dichlorobenzene	<0.83	<1.7	<1.7	<1.7	<1.7	<0.88	<1.0	<1.0	<1.0	<1.0	<1.4	<1.4	<1.4	<i>60</i>	600
1,4-dichlorobenzene	<0.95	<1.9	<1.9	<1.9	<1.9	<0.87	<1.0	<1.0	<1.0	<1.0	<1.9	<1.9	<1.9	<i>15</i>	75
1,1-dichloroethane	<0.75	<1.5	<1.5	<1.5	<1.5	<0.57	<0.37	<0.48	<0.48	<0.48	<0.55	<0.55	<0.55	<i>85</i>	850
1,1-dichloroethene	<0.57	<1.1	<1.1	<1.1	<1.1	<0.85	<0.82	<0.82	<0.82	<0.82	<0.49	<0.49	<0.49	<i>0.7</i>	7
cis-1,2-dichloroethene	3.8	4.3	4.9	3.6	3.4	<0.84	4.4	2.0	0.95 J	<0.51	0.88 J	2.1	0.89 J	<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<1.8	<1.8	<1.8	<1.8	<0.74	<0.48	<0.51	<0.51	<0.51	<2.2	<2.2	<2.2	<i>20</i>	100
1,2-dichloropropane	<0.49	<0.98	<0.98	<0.98	<0.98	<1.0	<0.47	<0.47	<0.47	<0.47	<0.57	<0.57	<0.57	<i>0.5</i>	5
ethylbenzene	<0.54	<1.1	<1.1	<1.1	<1.1	<1.0	<1.0	<1.0	<1.0	<1.0	<0.44	<0.44	<0.44	<i>140</i>	700
isopropylbenzene	<0.59	<1.2	<1.2	<1.2	<1.2	<0.68	<0.23	<0.29	<0.29	<0.29	<0.79	<0.79	<0.79	-	-
p-isopropyltoluene	<0.67	<1.3	<1.3	<1.3	<1.3	<0.79	<1.0	<1.0	<1.0	<1.0	<1.6	<1.6	<1.6	-	-
naphthalene	<0.89	<1.8	<1.8	<1.8	<1.8	<5.0	<5.0	<5.0	<5.0	<5.0	<2.4	<2.4	<2.4	<i>10</i>	100
n-propylbenzene	<0.81	<1.6	<1.6	<1.6	<1.6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.6	<1.6	<1.6	-	-
tetrachloroethene	149	129	155	170	173	157	133	161	147	146	183	162	119	<i>0.5</i>	5
toluene	<0.67	<1.3	<1.3	<1.3	<1.3	<0.8	<1.0	<1.0	<1.0	<1.0	<0.34	<0.34	1.4 J	<i>160</i>	800
trichloroethene	6.7	6.2	7.2	7.7	8.1	3.3	7.0	6.8	6.9	5.9	4.5	6.0	3.7	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.97	<1.9	<1.9	<1.9	<1.9	<1.1	<1.0	<1.0	<1.0	<1.0	2.8 J	<1.7	<1.7	<i>96</i>	480
1,3-5-trimethylbenzene	<0.83	<1.7	<1.7	<1.7	<1.7	<5.0	<1.0	<1.0	<1.0	<1.0	<1.7	<1.7	<1.7		
vinyl chloride	<0.18	<0.36	<0.36	<0.36	<0.36	<0.37	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<i>0.02</i>	0.2
total xylenes	<2.63	<5.2	<5.3	<5.3	<5.3	<2.6	<3.0	<3.0	<3.0	<3.0	<1.45	<1.45	<1.45	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 4 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-4													NR 140 PALs	NR 140 ESs	
Sample Date	12/21/11	3/22/12	6/15/12	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19			
Volatile Organic Compounds (µg/kg)														Not sampled due to damage during demolition		
benzene	<8.2	<4.1	<4.1	<4.1	<4.1	<0.5	<0.50	<0.50	<0.50	<1.0	<0.49	<0.25			0.5	5.0
bromodichloromethane	<11.2	<5.6	<5.6	<5.6	<5.6	<0.45	<0.50	<0.50	<0.50	<1.0	<0.73	<0.36			0.06	0.6
n-butylbenzene	<18.6	<9.3	<9.3	<9.3	29.9	14.4	<0.50	0.61 J	7.3	<1.0	<1.4	<0.71			-	-
sec-butylbenzene	20.3	19.6	15.9 J	17.3 J	12.4 J	10.4	<2.2	3.3 J	8.6	<4.4	<1.7	<0.85			-	-
tert-butylbenzene	<19.4	<9.7	<9.7	<9.7	<9.7	1.9	0.27 J	0.68 J	<0.18	0.56 J	<0.61	<0.30			-	-
chloromethane	<4.8	<2.4	<2.4	<2.4	<2.4	<0.39	<0.50	<0.50	<0.50	<1.0	<4.4	<2.2			3	30
dibromochloromethane	<16.2	<8.1	<8.1	<8.1	<8.1	<1.9	<0.32	<0.50	<0.50	<1.0	<5.2	<2.6			6	60
1,2-dichlorobenzene	<16.6	10.4	9.0 J	<8.3	<8.3	<0.44	<0.50	<0.50	1.0	<1.0	<1.4	<0.71			60	600
1,4-dichlorobenzene	<19.0	<9.5	<9.5	<9.5	<9.5	0.44 J	<0.50	<0.50	<0.50	<1.0	<1.9	<0.94			15	75
1,1-dichloroethane	<15.0	<7.5	<7.5	<7.5	<7.5	0.33 J	<0.18	0.28 J	0.42 J	<0.48	<0.55	<0.27			85	850
1,1-dichloroethene	<11.4	<5.7	<5.7	<5.7	<5.7	<0.43	<0.41	<0.41	<0.41	<0.82	<0.49	<0.24			0.7	7
cis-1,2-dichloroethene	<16.6	<8.3	<8.3	<8.3	<8.3	1.0	1.0	0.64 J	0.39 J	2.5	1.4 J	<0.27			7	70
trans-1,2-dichloroethene	<17.8	<8.9	<8.9	<8.9	<8.9	<0.37	<0.24	<0.26	<0.26	<0.51	<2.2	<1.1			20	100
1,2-dichloropropane	<9.8	<4.9	<4.9	<4.9	<4.9	<0.50	<0.23	<0.23	<0.23	<0.47	<0.57	<0.28			0.5	5
ethylbenzene	57.0	68.2	60.4	70.6	32.4	2.9	<0.50	0.75 J	3.9	<1.0	<0.44	<0.22			140	700
isopropylbenzene	41.7	48.9	44.0	46.2	32.5	8.6	0.69 J	1.5	9.6	1.0 J	<0.79	<0.39			-	-
p-isopropyltoluene	31.1	41.8	38.6	<6.7	33.4	21.5	0.74 J	0.94 J	9.8	<1.0	<1.6	<0.80			-	-
naphthalene	84.8	82.3	83.3	78.6	50.4	8.7	<2.5	<2.5	6.6	<5.0	<2.4	<1.2			10	100
n-propylbenzene	70.0	87.6	77.9	92.2	61.5	17.3	1.2	2.4	16.8	2.0 J	<1.4	<0.81			-	-
tetrachloroethene	89.3	285	272	305	383	178	103	187	206	185	127	82.3			0.5	5
toluene	<13.4	<6.7	<6.7	<6.7	<6.7	<0.44	<0.50	<0.50	<0.50	<1.0	<0.34	<0.17			160	800
trichloroethene	23.3	25.3	26.7	34.4	79.2	99.3	33.6	31.9	28.6	25.8	16.7	7.6			0.5	5
1,2,4-trimethylbenzene	1,210	1,220	1,040	1,090	734	90.7	8.1	8.4	127	8.8	3.5 J	<0.84		96	480	
1,3-5-trimethylbenzene	498	447	404	378	257	47.7	3.0	2.7	50.0	3.8	<1.7	<0.87				
vinyl chloride	<3.6	<1.8	<1.8	<1.8	<1.8	<0.18	<0.18	<0.18	<0.18	<0.35	<0.35	<0.17		0.02	0.2	
total xylenes	163	166	111	109	37.7	4.4	<1.50	<1.5	3.0	<3.0	<1.45	<0.73		400	2,000	

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 5 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-5													NR 140 PALs	NR 140 ESs
Sample Date	12/21/11	3/22/12	6/15/12	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)															
benzene	<0.41	<0.41	<0.41	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	<0.56	<0.56	<0.56	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<0.93	<0.93	<0.93	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.81	<0.71	<0.71	<i>-</i>	-
sec-butylbenzene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85	<0.85	<i>-</i>	-
tert-butylbenzene	<0.97	<0.97	<0.97	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30	<0.30	<i>-</i>	-
chloromethane	<0.24	<0.24	<0.24	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	<i>3</i>	30
dibromochloromethane	<0.81	<0.81	<0.81	<0.81	<0.81	<1.9	<0.32	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<0.95	<0.95	<0.95	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	<0.75	<0.75	<0.75	<0.75	<0.75	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<i>85</i>	850
1,1-dichloroethene	<0.57	<0.57	<0.57	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	<0.83	<0.83	<0.83	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<0.89	<0.89	<0.89	<0.89	<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	<0.49	<0.49	<0.49	<0.49	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	<i>0.5</i>	5
ethylbenzene	<0.54	<0.54	<0.54	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.59	<0.59	<0.59	<0.59	<0.59	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<i>-</i>	-
p-isopropyltoluene	<0.67	<0.67	<0.67	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80	<0.80	<i>-</i>	-
naphthalene	<0.89	<0.89	<0.89	<0.89	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<0.81	<0.81	<0.81	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<i>-</i>	-
tetrachloroethene	11.4	15.2	18.2	19.3	16.3	17.8	14.4	16.6	14.0	12.0	5.3	<i>3.5</i>	<i>4.5</i>	<i>0.5</i>	5
toluene	<0.67	<0.67	<0.67	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	<i>160</i>	800
trichloroethene	<0.48	<0.48	<0.48	<0.48	<0.48	<0.43	<0.33	<0.33	<0.33	<0.33	<0.26	<0.26	<0.26	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.97	<0.97	<0.97	<0.97	<0.97	<0.57	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<0.83	<0.83	<0.83	<0.83	<0.83	<2.5	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87	<0.87	<i>96</i>	480
vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<2.63	<2.63	<2.63	<2.63	<2.63	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 6 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-6										NR 140 PALs	NR 140 ESs
Sample Date	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)												
benzene	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	-	-
sec-butylbenzene	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85	<0.85	-	-
tert-butylbenzene	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30	<0.30	-	-
chloromethane	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<i>4.5 J</i>	<2.2	<i>3</i>	30
dibromochloromethane	<0.81	<0.81	<1.9	<0.32	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	<0.75	<0.75	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<i>85</i>	850
1,1-dichloroethene	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<0.89	<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	<0.49	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	<i>0.5</i>	5
ethylbenzene	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.59	<0.59	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	-	-
p-isopropyltoluene	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80	<0.80	-	-
naphthalene	<0.89	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	-	-
tetrachloroethene	13.6	13.1	12.3	6.9	9.3	7.9	7.0	6.9	6.1	<i>4.7</i>	<i>0.5</i>	5
toluene	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	<i>160</i>	800
trichloroethene	<0.48	<0.48	<0.43	<0.33	<0.33	<0.33	<0.33	<0.26	<0.26	<0.26	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.97	<0.97	<0.57	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<0.83	<0.83	<2.5	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87	<0.87	<i>96</i>	480
vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<2.63	<2.63	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in *red bold* exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 7 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	MW-7										NR 140 PALs	NR 140 ESs
Sample Date	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8-718	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)												
benzene	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	-	-
sec-butylbenzene	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85	<0.85	-	-
tert-butylbenzene	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30	<0.30	-	-
chloromethane	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<2.2	2.5 J	<i>3</i>	30
dibromochloromethane	<0.81	<0.81	<1.9	<0.32	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	<0.75	<0.75	<0.28	<0.8	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<i>85</i>	850
1,1-dichloroethene	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<0.89	<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	<0.49	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	<i>0.5</i>	5
ethylbenzene	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.59	<0.59	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	-	-
p-isopropyltoluene	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80	<0.80	-	-
naphthalene	<0.89	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	-	-
tetrachloroethene	<0.45	<0.45	<0.47	<0.50	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<i>0.5</i>	5
toluene	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	<0.17	<i>160</i>	800
trichloroethene	<0.48	<0.48	<0.43	<0.33	<0.33	<0.33	<0.33	<0.26	<0.26	<0.26	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.97	<0.97	<0.57	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<0.83	<0.83	<2.5	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87	<0.87		
vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<2.63	<2.63	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 8 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

Sample Date	MW-8										MW-9				NR 140 PALs	NR 140 ESs
	12/14/12	3/28/13	6/27/13	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)																
benzene	<0.41	<0.41	<0.50	<0.50	<0.50	<0.50	<0.50	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	<0.56	<0.56	<0.45	<0.50	<0.50	<0.50	<0.50	<0.36	<0.36	<0.36	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<0.93	<0.93	<0.40	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<0.50	<0.71	<0.71	<0.71	-	-
sec-butylbenzene	<0.89	<0.89	<0.60	<2.2	<2.2	<2.2	<2.2	<0.85	<0.85	<0.85	<2.2	<0.85	<0.85	<0.85	-	-
tert-butylbenzene	<0.97	<0.97	<0.42	<0.18	<0.18	<0.18	<0.18	<0.30	<0.30	<0.30	<0.18	<0.30	<0.30	<0.30	-	-
chloromethane	<0.24	<0.24	<0.39	<0.50	<0.50	<0.50	<0.50	<2.2	<2.2	<2.2	<0.50	<2.2	<i>3.0 J</i>	<2.2	<i>3</i>	30
dibromochloromethane	<0.81	<0.81	<1.9	<0.32	<0.50	<0.50	<0.50	<2.6	<2.6	<2.6	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<0.83	<0.83	<0.44	<0.50	<0.50	<0.50	<0.50	<0.71	<0.71	<0.71	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<0.95	<0.95	<0.43	<0.50	<0.50	<0.50	<0.50	<0.94	<0.94	<0.94	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	<0.75	<0.75	<0.28	<0.18	<0.24	<0.24	<0.24	<0.27	<0.27	<0.27	<0.24	<0.27	<0.27	<0.27	<i>85</i>	850
1,1-dichloroethene	<0.57	<0.57	<0.43	<0.41	<0.41	<0.41	<0.41	<0.24	<0.24	<0.24	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	<0.83	<0.83	<0.42	<0.26	<0.26	<0.26	<0.26	<0.27	<0.27	<0.27	<0.26	<0.27	<0.27	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.89	<0.89	<0.37	<0.24	<0.26	<0.26	<0.26	<1.1	<1.1	<1.1	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	<0.49	<0.49	<0.50	<0.23	<0.23	<0.23	<0.23	<0.28	<0.28	<0.28	<0.23	<0.28	<0.28	<0.28	<i>0.5</i>	5
ethylbenzene	<0.54	<0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<0.22	<0.22	<0.22	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.59	<0.59	<0.34	<0.12	<0.14	<0.14	<0.14	<0.39	<0.39	<0.39	<0.14	<0.39	<0.39	<0.39	-	-
p-isopropyltoluene	<0.67	<0.67	<0.40	<0.50	<0.50	<0.50	<0.50	<0.80	<0.80	<0.80	<0.50	<0.80	<0.80	<0.80	-	-
naphthalene	<0.89	<0.89	<2.5	<2.5	<2.5	<2.5	<2.5	<1.2	<1.2	<1.2	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<0.81	<0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.81	<0.81	<0.81	<0.50	<0.81	<0.81	<0.81	-	-
tetrachloroethene	<0.45	<0.45	<0.47	<0.50	<0.50	<0.50	<0.50	<0.33	<0.33	<0.33	<i>0.55 J</i>	<0.33	<0.33	<0.33	<i>0.5</i>	5
toluene	<0.67	<0.67	<0.44	<0.50	<0.50	<0.50	<0.50	<0.17	<0.17	0.24 J	<0.50	<0.17	<0.17	<0.17	<i>160</i>	800
trichloroethene	<0.48	<0.48	<0.43	<0.33	<0.33	<0.33	<0.33	<0.26	<0.26	<0.26	<0.33	<0.26	<0.26	<0.26	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.97	<0.97	<0.57	<0.50	<0.50	<0.50	<0.50	<0.84	<0.84	<0.84	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<0.83	<0.83	<2.5	<0.50	<0.50	<0.50	<0.50	<0.87	<0.87	<0.87	<0.50	<0.87	<0.87	<0.87		
vinyl chloride	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.17	<0.17	<0.17	<0.18	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<2.63	<2.63	<1.32	<1.50	<1.5	<1.5	<1.5	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 9 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	PZ-1							PZ-2				NR 140 PALs	NR 140 ESs
Sample Date	5/30/14	1/20/15	4/29/15	4/26/18	8/7/18	12/17/18	4/13/19	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)													
benzene	<1.0	<1.0	<1.0	<2.0	<0.99	<0.99	<0.99	<i>0.65 J</i>	0.31 J	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	<1.0	<1.0	<1.0	<2.0	<1.5	<1.5	<1.5	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<1.0	<1.0	<1.0	<2.0	<2.8	<2.8	<2.8	<0.50	<0.71	<0.71	<0.71	-	-
sec-butylbenzene	<4.4	<4.4	<4.4	<8.7	<3.4	<3.4	<3.4	<2.2	<0.85	<0.85	<0.85	-	-
tert-butylbenzene	0.68 J	1.9 J	1.9 J	2.7 J	3.5 J	1.4 J	<1.2	<0.18	<0.30	<0.30	<0.30	-	-
chloromethane	<1.0	<1.0	<1.0	<2.0	<8.8	<8.8	<8.8	<0.50	<2.2	<i>4.1 J</i>	<i>4.3 J</i>	<i>3</i>	30
dibromochloromethane	<0.64	<1.0	<1.0	<2.0	<10.4	<10.4	<10.4	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<1.0	<1.0	<1.0	<2.0	<2.8	<2.8	<2.8	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<1.0	<1.0	<1.0	<2.0	<3.8	<3.8	<3.8	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	18.6	<i>108</i>	83.6	<i>116</i>	<i>132</i>	30.2	19.8	<0.24	<0.27	<0.27	<0.27	<i>85</i>	850
1,1-dichloroethene	<i>1.5 J</i>	<i>2.7</i>	<i>2.7</i>	<i>5.1</i>	<i>5.9</i>	<i>2.6 J</i>	<i>1.8 J</i>	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	5.5	5.5	6.0	<i>9.0</i>	<i>14.5</i>	<i>9.5</i>	<i>17.1</i>	<0.26	<0.27	<0.27	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.48	0.66 J	0.58 J	1.9 J	<4.4	<4.4	<4.4	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	25.3	200	149	259	302	87.0	51.4	<0.23	<0.28	<0.28	<0.28	<i>0.5</i>	5
ethylbenzene	<1.0	<1.0	<1.0	<2.0	<0.87	<0.87	<0.87	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.23	<0.29	<0.29	<0.57	<1.6	<1.6	<1.6	<0.14	<0.39	<0.39	<0.39	-	-
p-isopropyltoluene	<1.0	<1.0	<1.0	<2.0	<3.2	<3.2	<3.2	<0.50	<0.80	<0.80	<0.80	-	-
naphthalene	<5.0	<5.0	<5.0	<10.0	<4.7	<4.7	<4.7	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<1.0	<1.0	<1.0	<2.0	<3.2	<3.2	<3.2	<0.50	<0.81	<0.81	<0.81	-	-
tetrachloroethene	139	361	474	478	548	439	161	<0.50	<i>0.97 J</i>	<i>0.68 J</i>	0.36 J	<i>0.5</i>	5
toluene	<1.0	<1.0	<1.0	<2.0	<0.69	<0.69	<0.69	0.98 J	0.66 J	0.27 J	<0.17	<i>160</i>	800
trichloroethene	118	110	130	173	207	152	99.8	<0.33	<0.26	<0.26	<0.26	<i>0.5</i>	5
1,2,4-trimethylbenzene	<1.0	<1.0	<1.0	<2.0	<3.4	<3.4	<3.4	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<1.0	<1.0	<1.0	<2.0	<3.5	<3.5	<3.5	<0.50	<0.87	<0.87	<0.87		
vinyl chloride	<0.35	0.43 J	<0.35	<0.70	0.75 J	<0.70	<0.70	<0.18	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<3.0	<3.0	<3.0	<6.0	<2.9	<2.9	<2.9	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.1 Groundwater Analytical Table (Pg 10 of 10)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

Sample Date	PZ-3				PZ-4				NR 140 PALs	NR 140 ESs
	4/26/18	8/7/18	12/17/18	4/13/19	4/26/18	8/7/18	12/17/18	4/13/19		
Volatile Organic Compounds (µg/kg)										
benzene	<0.50	<0.25	<0.25	<0.25	<0.50	<0.25	<0.25	<0.25	<i>0.5</i>	5.0
bromodichloromethane	0.62 J	<0.36	<0.36	<0.36	<0.50	<0.36	<0.36	<0.36	<i>0.06</i>	0.6
n-butylbenzene	<0.50	<0.71	<0.71	<0.71	<0.50	<0.71	<0.71	<0.71	-	-
sec-butylbenzene	<2.2	<0.85	<0.85	<0.85	<2.2	<0.85	<0.85	<0.85	-	-
tert-butylbenzene	<0.18	<0.30	<0.30	<0.30	<0.18	<0.30	<0.30	<0.30	-	-
chloromethane	<0.50	<2.2	<i>7.0 J</i>	2.5 J	<0.50	<2.2	<i>3.1 J</i>	<2.2	<i>3</i>	30
dibromochloromethane	0.66 J	<2.6	<2.6	<2.6	<0.50	<2.6	<2.6	<2.6	<i>6</i>	60
1,2-dichlorobenzene	<0.50	<0.71	<0.71	<0.71	<0.50	<0.71	<0.71	<0.71	<i>60</i>	600
1,4-dichlorobenzene	<0.50	<0.94	<0.94	<0.94	<0.50	<0.94	<0.94	<0.94	<i>15</i>	75
1,1-dichloroethane	<0.24	<0.27	<0.27	<0.27	<0.24	<0.27	0.63 J	<0.27	<i>85</i>	850
1,1-dichloroethene	<0.41	<0.24	<0.24	<0.24	<0.41	<0.24	<0.24	<0.24	<i>0.7</i>	7
cis-1,2-dichloroethene	1.0	<0.27	<0.27	<0.27	0.52 J	<0.27	0.40 J	<0.27	<i>7</i>	70
trans-1,2-dichloroethene	<0.26	<1.1	<1.1	<1.1	<0.26	<1.1	<1.1	<1.1	<i>20</i>	100
1,2-dichloropropane	<0.23	<0.28	<0.28	<0.28	<0.23	<0.28	<i>1.0</i>	<0.28	<i>0.5</i>	5
ethylbenzene	<0.50	<0.22	<0.22	<0.22	<0.50	<0.22	<0.22	<0.22	<i>140</i>	700
isopropylbenzene	<0.14	<0.39	<0.39	<0.39	<0.14	<0.39	<0.39	<0.39	-	-
p-isopropyltoluene	<0.50	<0.80	<0.80	<0.80	<0.50	<0.80	<0.80	<0.80	-	-
naphthalene	<2.5	<1.2	<1.2	<1.2	<2.5	<1.2	<1.2	<1.2	<i>10</i>	100
n-propylbenzene	<0.50	<0.81	<0.81	<0.81	<0.50	<0.81	<0.81	<0.81	-	-
tetrachloroethene	14.5	<i>1.1 J</i>	<i>1.0 J</i>	<i>1.7</i>	29.1	13.5	10.8	5.4	<i>0.5</i>	5
toluene	<0.50	<0.17	<0.17	<0.17	<0.50	<0.17	<0.17	<0.17	<i>160</i>	800
trichloroethene	<i>1.0</i>	0.29 J	<0.26	<0.26	5.8	<i>2.9</i>	<i>2.7</i>	<i>0.75 J</i>	<i>0.5</i>	5
1,2,4-trimethylbenzene	<0.50	<0.84	<0.84	<0.84	<0.50	<0.84	<0.84	<0.84	<i>96</i>	480
1,3-5-trimethylbenzene	<0.50	<0.87	<0.87	<0.87	<0.50	<0.87	<0.87	<0.87	-	-
vinyl chloride	<0.18	<0.17	<0.17	<0.17	<0.18	<0.17	<0.17	<0.17	<i>0.02</i>	0.2
total xylenes	<1.5	<0.73	<0.73	<0.73	<1.5	<0.73	<0.73	<0.73	<i>400</i>	2,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).
3. Concentrations in **red bold** exceed their respective enforcement standards (ESs).
4. "-" indicates that groundwater standards are not established for the indicated parameter.

A.2 Soil Analytical Results Table (Pg 1 of 3)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

	Site Scoping Samples			Site Investigation Samples												SSRCL GW path.	SSRCL DC path.
	GP-1	GP-2	GP-3	B-1		B-2		B-3		B-4		B-5		B-6			
Sample Date	7/28/08	7/28/08	7/28/08	11/14/11	11/14/11	11/14/11	11/14/11	11/14/11	11/14/11	11/15/11	11/15/11	11/15/11	11/15/11	11/14/12	11/14/12		
Sample Depth	17-18.5	14-16	4-6	16-18	24-25	12-14	16-18	16-18	22-24	20-22	28-30	10-12	12-14	12-14	16-18		
saturated/unsaturated	sat.	sat.	unsat.	sat.	sat.	unsat.	sat.	sat.	sat.	sat.	sat.	unsat.	sat.	unsat.	sat.		
Volatile Organic Compounds (VOCs) (µg/kg)																	
n-butylbenzene	8,000	<35	<35	<40.4	<40.4	<40.4	<40.4	<40.4	<40.4	1,860	<40.4	<40.4	<40.4	<40.4	<40.4	-	108,000
sec-butylbenzene	4,500	<25	<25	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	952	<25.0	<25.0	<25.0	<25.0	<25.0	-	145,000
ethylbenzene	620	<16	<16	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	380	<25.0	<25.0	<25.0	<25.0	<25.0	1,570	7,470
isopropylbenzene	1,870	<30	<30	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	765	<25.0	<25.0	<25.0	<25.0	<25.0	-	-
p-isopropyltoluene	5,700	<30	<30	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,270	<25.0	<25.0	<25.0	<25.0	<25.0	-	162,000
naphthalene	1,570 J	<117	<117	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	602	<25.0	<25.0	<25.0	<25.0	<25.0	658.7	5,510
n-propylbenzene	5,400	<29	<29	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,800	<25.0	<25.0	<25.0	<25.0	<25.0	-	-
tetrachloroethene	7,000	<18	<18	<25.0	<25.0	<25.0	<25.0	<25.0	33.5	333	399	<25.0	<25.0	<25.0	<25.0	4.5	30,700
trichloroethene	1,050	<20	<20	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3.6	644
1,2,4-trimethylbenzene	68,000	<20	<20	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	14,500	<25.0	<25.0	<25.0	<25.0	<25.0	-	89,800
1,3-5-trimethylbenzene	20,600	<24	<24	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5,080	<25.0	<25.0	<25.0	<25.0	<25.0	1,379.30	182,000
total xylenes	3,510	<48	<48	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	801	<75.0	<75.0	<75.0	<75.0	<75.0	3,940	258,000

Notes:

- Only the detected VOCs are shown.
- Concentrations in *blue italics* exceed their respective site-specific residual contaminant levels (SSRCLs) for the groundwater pathway.
- Concentrations in **red bold** exceed their respective SSRCLs for the direct contact pathway.
- SSRCLs obtained from the DNR website and are based on Wisconsin Defaults for the groundwater and non-industrial direct contact pathways.
- indicates that a SSRCL was not available for the indicated compound.
- Site Scoping results obtained from Key Engineering Group Ltd. September 2, 2008 Phase II Environmental Site Assessment report tables. Laboratory reports were not available.
- ND = not reported in Phase II table and assumed to be below detection limits.

A.2 Soil Analytical Results Table (Pg. 2 of 3)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

Site Investigation Samples														SSRCL GW path.	SSRCL DC path.
	B-7		B-8		B-9		PZ-1		PZ-2	PZ-4					
Sample Date	11/14/12	11/20/12	11/20/12	11/20/12	4/2/18	4/2/18	4/10/14	4/10/14	4/2/18	4/2/18	4/2/18	4/2/18	4/2/18		
Sample Depth	12-14	14-16	12-14	14-16	4-6	8-10	2-4	10-12	6-8	4-6	8-10	12-14	18-20		
saturated/unsaturated	unsat.	sat.	unsat.	sat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	sat.		
Volatile Organic Compounds (VOCs) (µg/kg)															
n-butylbenzene	<40.4	<40.4	<40.4	<40.4	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	108,000
sec-butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	145,000
ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,570	7,470
isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	-
p-isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	162,000
naphthalene	<25.0	<25.0	<25.0	<25.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	658.7	5,510
n-propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	-
tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	42.1 J	<25.0	<25.0	<25.0	4.5	30,700
trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3.6	644
1,2,4-trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0		89,800
1,3-5-trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,379.30	182,000
total xylenes	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	3,940	258,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective site-specific residual contaminant levels (SSRCLs) for the groundwater pathway.
3. Concentrations in **red bold** exceed their respective SSRCLs for the direct contact pathway.
4. SSRCLs obtained from the DNR website and are based on Wisconsin Defaults for the groundwater and non-industrial direct contact pathways.
5. indicates that a SSRCL was not available for the indicated compound.
6. Site Scoping results obtained from Key Engineering Group Ltd. September 2, 2008 Phase II Environmental Site Assessment report tables. Laboratory reports were not available.
7. ND = not reported in Phase II table and assumed to be below detection limits.

A.2 Soil Analytical Results Table (Pg. 3 of 3)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

Site Investigation Samples														SSRCL GW path.	SSRCL DC path.
	P-1		P-2		P-3		P-4		P-5		P-6				
Sample Date	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19	4/12/19		
Sample Depth	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8	2-4	6-8			
saturated/unsaturated	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.			
Volatile Organic Compounds (VOCs) (µg/kg)															
n-butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	108,000
sec-butylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	145,000
ethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,570	7,470
isopropylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	-
p-isopropyltoluene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	162,000
naphthalene	<40.0	<25.0	<25.0	<25.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	658.7	5,510
n-propylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	-	-
tetrachloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	34.3 J	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	4.5	30,700
trichloroethene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	3.6	644
1,2,4-trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0		89,800
1,3-5-trimethylbenzene	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	1,379.30	182,000
total xylenes	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	<75.0	3.940	258,000

Notes:

1. Only the detected VOCs are shown.
2. Concentrations in *blue italics* exceed their respective site-specific residual contaminant levels (SSRCLs) for the groundwater pathway.
3. Concentrations in **red bold** exceed their respective SSRCLs for the direct contact pathway.
4. SSRCLs obtained from the DNR website and are based on Wisconsin Defaults for the groundwater and non-industrial direct contact pathways.
5. indicates that a SSRCL was not available for the indicated compound.
6. Site Scoping results obtained from Key Engineering Group Ltd. September 2, 2008 Phase II Environmental Site Assessment report tables. Laboratory reports were not available.
7. ND = not reported in Phase II table and assumed to be below detection limits.

A.4 Vapor Analytical Table

Former Block System Cleaners
2017 Winnebago Street
Madison, Wisconsin

	VP-1		VP-2		VP-3		VP-4		VP-5		VP-6		IA1		VAL	VRSL
	sub-slab vapor Block Cleaners east basement	2/26/13	sub-slab vapor Block Cleaners west main level	2/26/13	sub-slab vapor 2009 Winnebago basement	2/26/13	sub-slab vapor 2044 Atwood basement	2/26/13	sub-slab vapor 2021 Winnebago west main level	2/26/13	sub-slab vapor 2000 Atwood east basement	4/12/19	indoor air 2000 Atwood east basement	4/12/19*		
Sample Date	11/15/11	2/26/13	11/15/11	2/26/13	3/22/12	2/26/13	3/22/12	2/26/13	3/22/12	2/26/13	4/26/18	4/12/19	4/26/18*	4/12/19*		
start time	1030	1000	1310	0930	1340	1045	1400	1150	1445	1115	1800	1525	1800	1525		
end time	1245	1050	1350	1030	1425	1135	1450	1240	1530	1205	1845	1610	24 hr	24 hr		
Shut-In Test	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	-	-		
Helium Shroud Test	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	pass	-	-		
Volatile Organic Compounds (ppbv)																
cis-1,2-dichloroethene	<2.0	<3.4	<2.0	<3.4	<4.5	<3.4	<0.84	<0.67	<4.2	<0.67	<0.11	<0.072	<0.11	<0.18	NS	NS
trans-1,2-dichloroethene	<2.0	<3.4	<2.0	<3.4	<4.5	<3.4	<0.84	<0.67	<4.2	<0.67	<0.099	<0.094	<0.094	<0.23	NS	NS
tetrachloroethene	105	1,710	83.5	628	99.8	366	6.2	18.7	79.0	7.4	5.0	1.7	6.2	<0.15	27	900
trichloroethene	<2.0	3.8	<2.0	<3.4	<4.5	<3.4	<0.84	<0.67	<4.2	<0.67	<0.066	0.068 J	<0.064	0.17 J	1.6	53.33
vinyl chloride	<2.0	<3.4	<2.0	<3.4	<4.5	<3.4	<0.84	<0.67	<4.2	<0.67	<0.065	<0.065	<0.062	<0.16	11	366.67

Notes:

- Concentrations in **red bold** exceed their respective non-residential vapor action levels (VALs) for indoor air or vapor risk screening levels (VRSLs) for sub-slab vapors.
- The indoor air samples were collected with 6-liter summa canisters and flow controllers to allow for sample collection over at least 24 hours. The "*" denotes the date the test was initiated.
- All sub-slab samples were collected with 6-liter summa canisters and sampling apparatus to allow for shut-in and helium shroud tests. Dedicated flow controllers maintained maximum sample rates of 200ml/min and all samples were allowed to run for at least 40 minutes.
- Shut-in tests included applying a vacuum of ~100 in-water (~7 in-Hg) to the closed-system sample chain to check valve connections. The shut-in tests passed if no dissipation was noted over approximately 1 minute.
- Helium shroud tests introduced ~40% by volume of He to a shroud placed over the sample apparatus valve penetrating the floor to check seal. The He shroud tests passed if no helium was detected within sample chain.
- VRSLs obtained from the DNR Quick Look-Up Table based on the EPA regional screening tables for indoor vapor action levels (VALs): http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm.
- The VRSLs were determined from the VALs using an attenuation factor of 0.03.
- The VRSLs and the VALs are for small commercial applications.
- All samples were analyzed by Pace Analytical using the TO-15 method.
- ReadyEarth did not conduct communication testing for the sub-slab testing. Communication testing for the SSDS is included as A.7.b.

A.6 Water Level Elevations (Pg 1 of 3)

Former Block System Cleaners
2017 Winnebago Street
Madison, Wisconsin

Well Number	Date	¹ Total Well Depth	Ground Surface Elevation	² Top of Casing Elevation	¹ Depth to Water Below Ground	² Depth to Water Below Casing	Groundwater Elevation
MW-1	12/21/11	19.71	861.53	861.31	14.36	14.14	847.17
	3/22/12				14.30	14.08	847.23
	6/15/12				14.16	13.94	847.37
	12/12/12				15.52	15.30	846.01
	3/28/13				13.96	13.74	847.57
	6/27/13				11.29	11.07	850.24
	5/30/14				13.09	12.87	848.44
	1/20/15				14.05	13.83	847.48
	4/29/15				13.70	13.48	847.83
	4/26/18				13.72	13.50	847.81
	8/7/18				12.38	12.16	849.15
12/17/18				12.75	12.53	848.78	
4/13/19				12.11	11.89	849.42	
MW-2	12/21/11	22.18	861.34	860.97	14.17	13.80	847.17
	3/22/12				14.12	13.75	847.22
	6/15/12				13.94	13.57	847.40
	12/12/12				15.38	15.01	845.96
	3/28/13				13.70	13.33	847.64
	6/27/13				11.11	10.74	850.23
	5/30/14				12.82	12.45	848.52
	1/20/15				13.87	13.50	847.47
	4/29/15				13.56	13.19	847.78
	4/26/18				13.36	12.99	847.98
	8/7/18				12.04	11.67	849.30
12/17/18				12.48	12.11	848.86	
4/13/19				NM	NM	NM	
MW-3	12/21/11	21.49	862.39	862.08	15.07	14.76	847.32
	3/22/12				14.97	14.66	847.42
	6/15/12				14.81	14.50	847.58
	12/12/12				16.25	15.94	846.14
	3/28/13				14.60	14.29	847.79
	6/27/13				11.73	11.42	850.66
	5/30/14				13.66	13.35	848.73
	1/20/15				14.68	14.37	847.71
	4/29/15				14.41	14.10	847.98
	4/26/18				14.24	13.93	848.15
	8/7/18				12.57	12.26	849.82
12/17/18				13.24	12.93	849.15	
4/13/19				12.22	11.91	850.17	

Notes:

1. All measurements are presented in feet.
2. "¹" Measurement calculated from ground surface.
3. "²" Measured from the north rim of the top of well casing.

A.6 Water Level Elevations (Pg 2 of 3)

Former Block System Cleaners
2017 Winnebago Street
Madison, Wisconsin

Well Number	Date	¹ Total Well Depth	Ground Surface Elevation	² Top of Casing Elevation	¹ Depth to Water Below Ground	² Depth to Water Below Casing	Groundwater Elevation
MW-4	12/21/11	22.33	862.35	861.77	15.14	14.56	847.21
	3/22/12				15.07	14.49	847.28
	6/15/12				14.89	14.31	847.46
	12/12/12				16.30	15.72	846.05
	3/28/13				14.64	14.06	847.71
	6/27/13				11.64	11.06	850.71
	5/30/14				13.72	13.14	848.63
	1/20/15				14.81	14.23	847.54
	4/29/15				14.46	13.88	847.89
	4/26/18				14.17	13.59	848.18
	8/7/18				12.92	12.34	849.43
	12/17/18				13.42	12.84	848.93
4/13/19	NM	NM	NM				
MW-5	12/21/11	20.70	860.48	860.16	13.32	13.00	847.16
	3/22/12				13.27	12.95	847.21
	6/15/12				13.09	12.77	847.39
	12/12/12				14.49	14.17	845.99
	3/28/13				12.80	12.48	847.68
	6/27/13				10.01	9.69	850.47
	5/30/14				11.90	11.58	848.58
	1/20/15				12.97	12.65	847.51
	4/29/15				12.69	12.37	847.79
	4/26/18				12.58	12.26	847.90
	8/7/18				10.97	10.65	849.51
	12/17/18				11.59	11.27	848.89
4/13/19	10.63	10.31	849.85				
MW-6	12/12/12	21.20	860.23	859.98	14.33	14.08	845.90
	3/28/13				12.75	12.50	847.48
	6/27/13				10.65	10.40	849.58
	5/30/14				11.92	11.67	848.31
	1/20/15				12.95	12.70	847.28
	4/29/15				12.58	12.33	847.65
	4/26/18				12.41	12.16	847.82
	8/7/18				11.28	11.03	848.95
	12/17/18				11.57	11.32	848.66
	4/13/19				11.09	10.84	849.14

Notes:

1. All measurements are presented in feet.
2. "¹" Measurement calculated from ground surface.
3. "²" Measured from the north rim of the top of well casing.

A.6 Water Level Elevations (Pg 3 of 3)

Former Block System Cleaners
2017 Winnebago Street
Madison, Wisconsin

Well Number	Date	¹ Total Well Depth	Ground Surface Elevation	² Top of Casing Elevation	¹ Depth to Water Below Ground	² Depth to Water Below Casing	Groundwater Elevation
MW-7	12/12/12	22.75	860.06	859.49	14.00	13.43	846.06
	3/28/13				12.19	11.62	847.87
	6/27/13				9.30	8.73	850.76
	5/30/14				11.24	10.67	848.82
	1/20/15				12.65	12.08	847.41
	4/29/15				12.16	11.59	847.90
	4/26/18				12.07	11.50	847.99
	8/7/18				10.52	9.95	849.54
	12/17/18				10.90	10.33	849.16
4/13/19	10.06	9.49	850.00				
MW-8	12/12/12	23.27	863.20	862.65	17.02	16.47	846.18
	3/28/13				15.35	14.80	847.85
	6/27/13				12.25	11.70	850.95
	5/30/14				14.38	13.83	848.82
	1/20/15				15.38	14.83	847.82
	4/29/15				15.15	14.60	848.05
	4/26/18				15.01	14.46	848.19
	8/7/18				13.30	12.75	849.90
	12/17/18				14.21	13.66	848.99
4/13/19	12.90	12.35	850.30				
MW-9	4/26/18	18.24	859.27	859.01	11.77	11.51	847.50
	8/7/18				10.87	10.61	848.40
	12/17/18				11.09	10.83	848.18
	4/13/19				10.63	10.37	848.64
PZ-1	5/30/14	35.69	861.03	860.37	12.64	11.98	848.39
	1/20/15				13.70	13.04	847.33
	4/29/15				13.41	12.75	847.62
	4/26/18				13.84	13.18	847.19
	8/7/18				12.66	12.00	848.37
	12/17/18				12.28	11.62	848.75
4/13/19	11.71	11.05	849.32				
PZ-2	4/26/18	47.99	859.10	858.70	12.20	11.80	846.90
	8/7/18				11.04	10.64	848.06
	12/17/18				11.10	10.70	848.00
	4/13/19				10.63	10.23	848.47
PZ-3	4/26/18	69.90	858.98	858.59	12.37	11.98	846.61
	8/7/18				10.95	10.56	848.03
	12/17/18				10.88	10.49	848.10
	4/13/19				10.46	10.07	848.52
PZ-4	4/26/18	59.88	860.99	860.54	13.98	13.53	847.01
	8/7/18				12.62	12.17	848.37
	12/17/18				12.56	12.11	848.43
	4/13/19				12.21	11.76	848.78

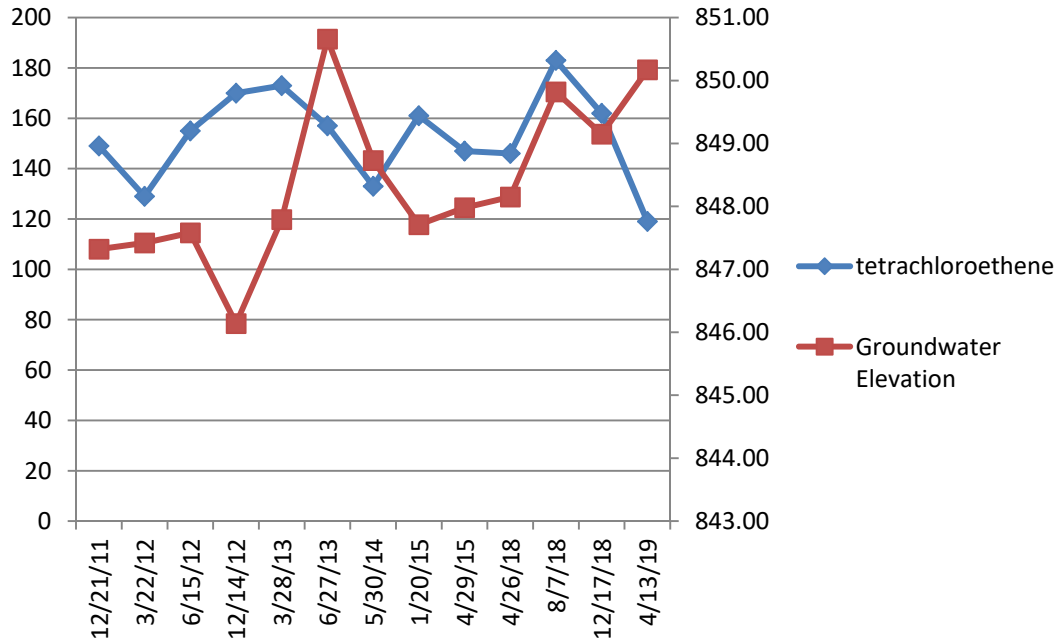
Notes:

1. All measurements are presented in feet.
2. "¹" Measurement calculated from ground surface.
3. "²" Measured from the north rim of the top of well casing.

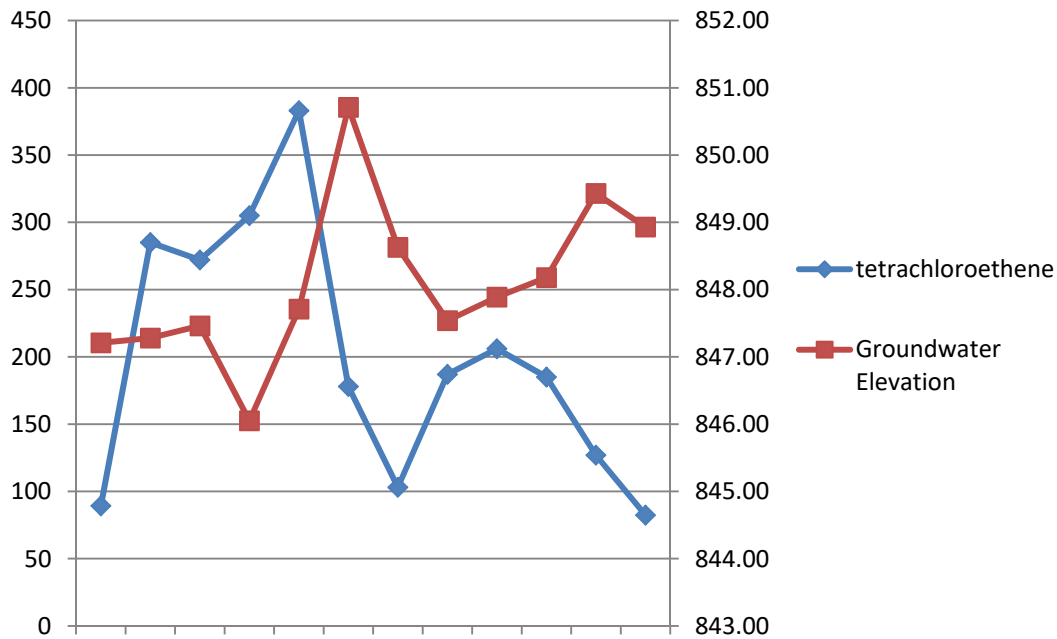
A.7 PCE vs GW Elevation Trend Data Graphs (Pg 2 of 4)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

MW-3 PCE & GW Elevations vs Time



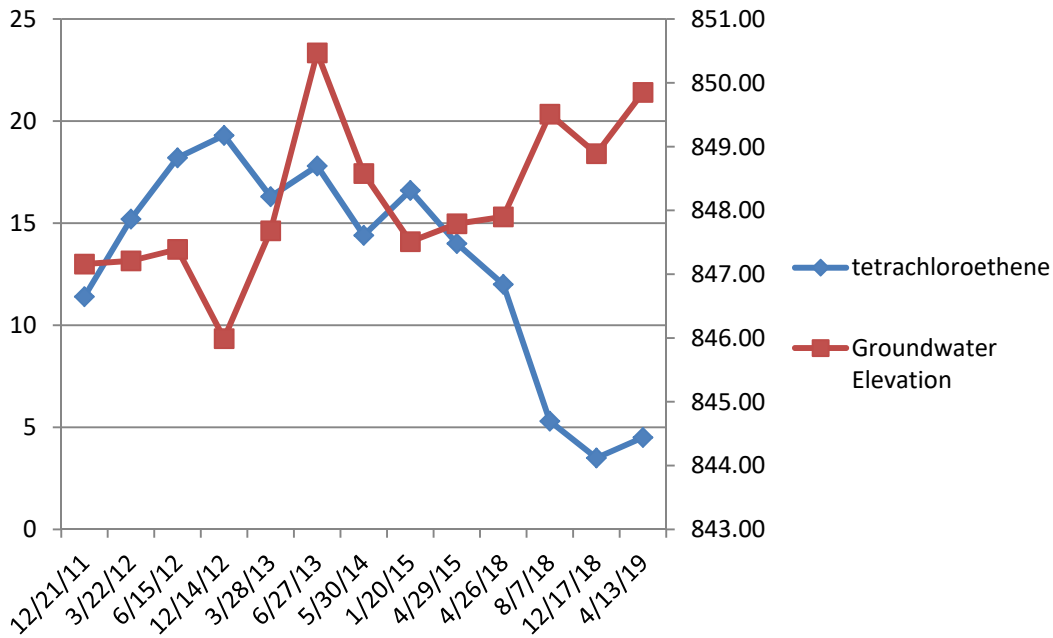
MW-4 PCE & GW Elevations vs Time



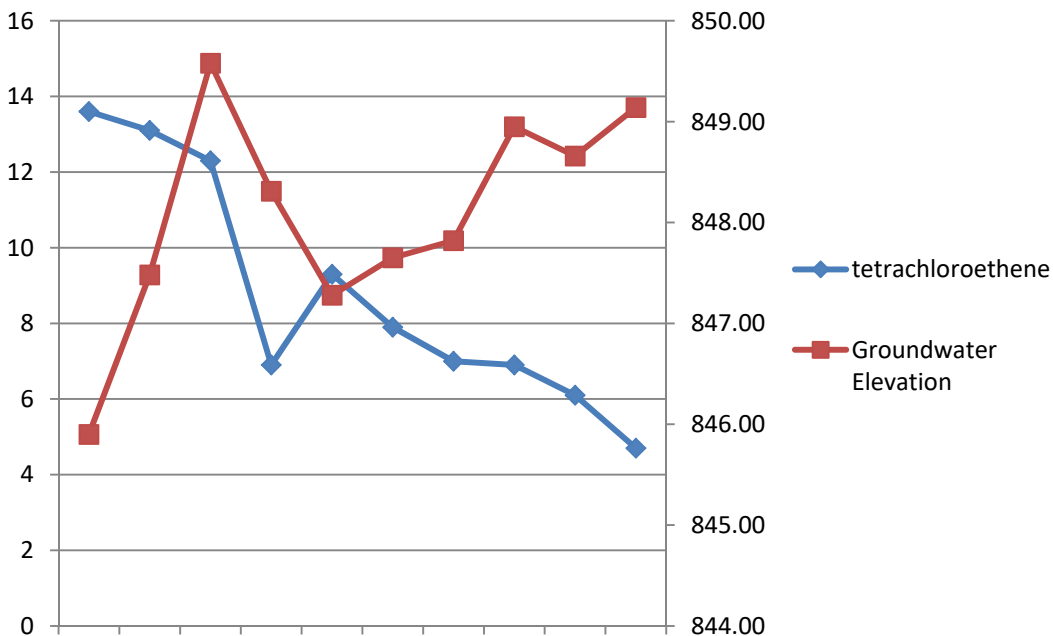
A.7 PCE vs GW Elevation Trend Data Graphs (Pg 3 of 4)

Former Block System Cleaners
2017 Winnebago Street
Madison, WI

MW-5 PCE & GW Elevations vs Time



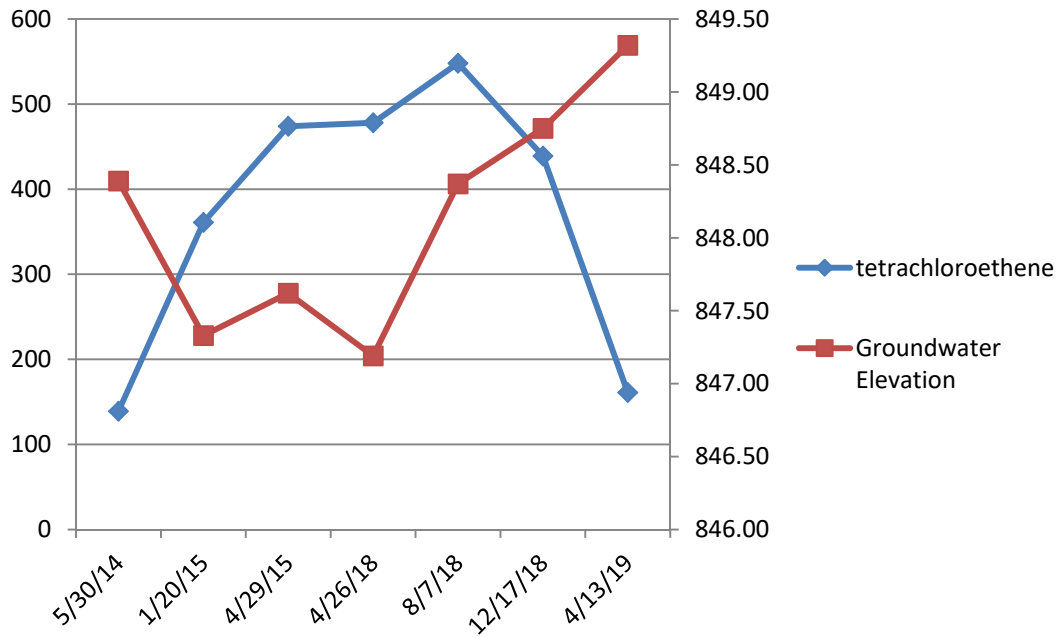
MW-6 PCE & GW Elevations vs Time



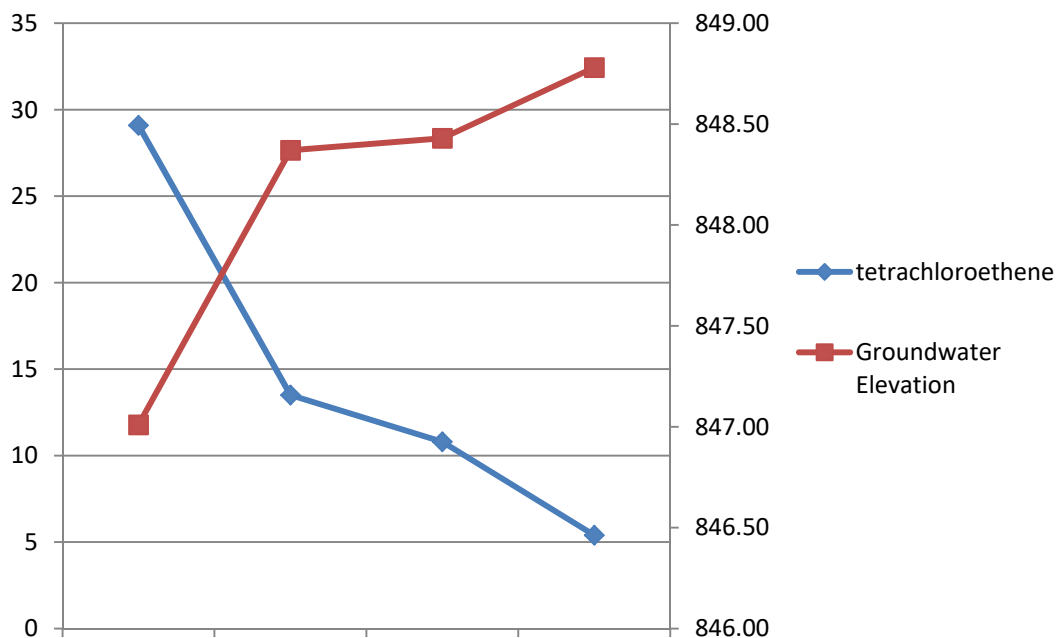
A.7 PCE vs GW Elevation Trend Data Graphs (Pg 4 of 4)

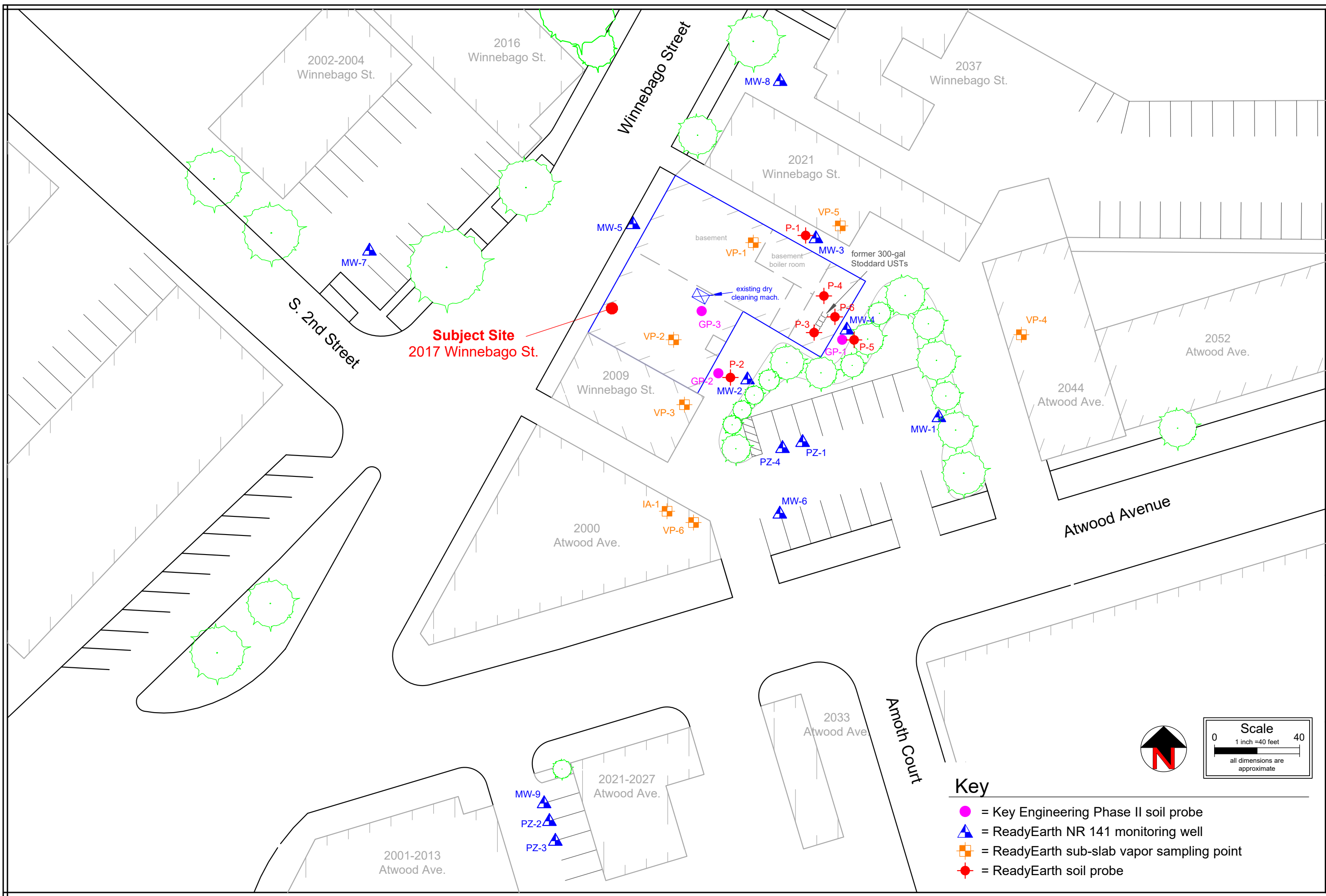
Former Block System Cleaners
2017 Winnebago Street
Madison, WI

PZ-1 PCE & GW Elevations vs Time

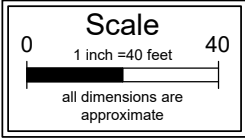


PZ-4 PCE & GW Elevations vs Time





Subject Site
2017 Winnebago St.



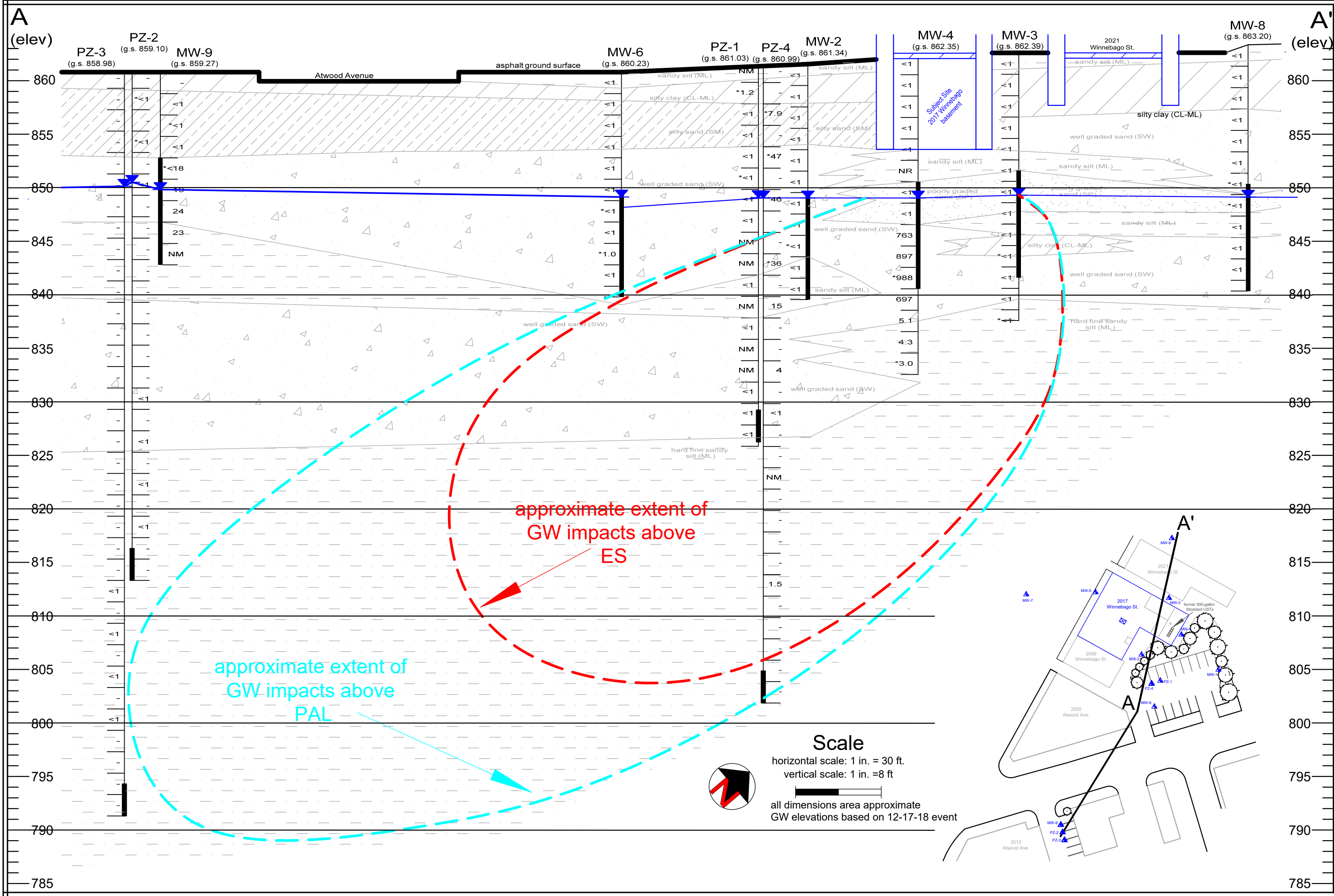
Key

- = Key Engineering Phase II soil probe
- ▲ = ReadyEarth NR 141 monitoring well
- ⊠ = ReadyEarth sub-slab vapor sampling point
- = ReadyEarth soil probe

B.1.b Detailed Site Map
Block System Cleaners
2017 Winnebago Street
Madison, Wisconsin

Drawing No.: 11-0604Z
DWG Date: 06-27-17
Rev Date: 09-21-17
Drafted by: JEB





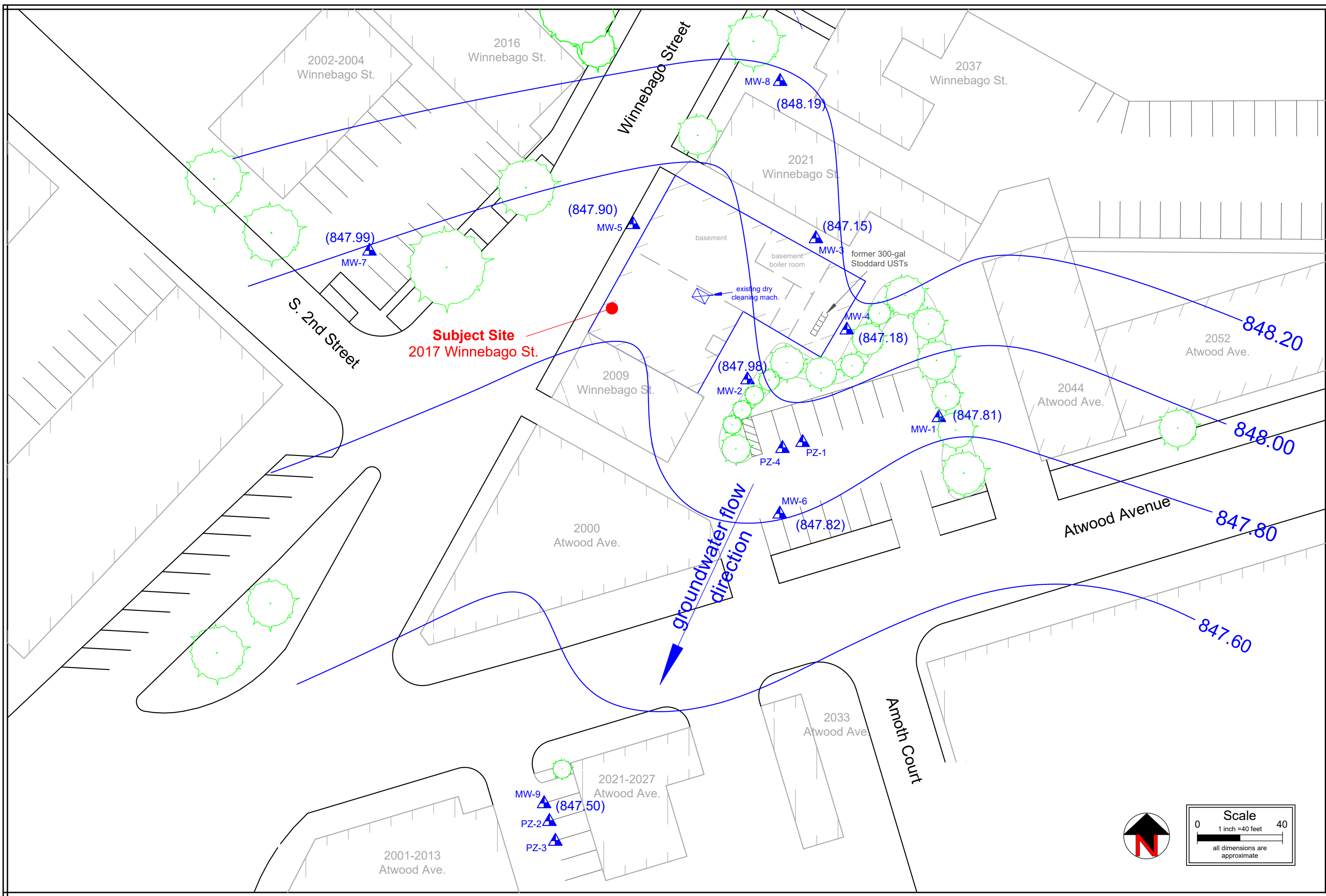
B.3.a Geologic Cross-Section Figure A-A'

Block System Cleaners
 2017 Winnebago Street
 Madison, Wisconsin

Drawing No.: 11-0604y
 DWG Date: 04-27-12
 Rev Date: 08-22-19
 Drafted by: JEB

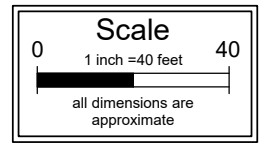


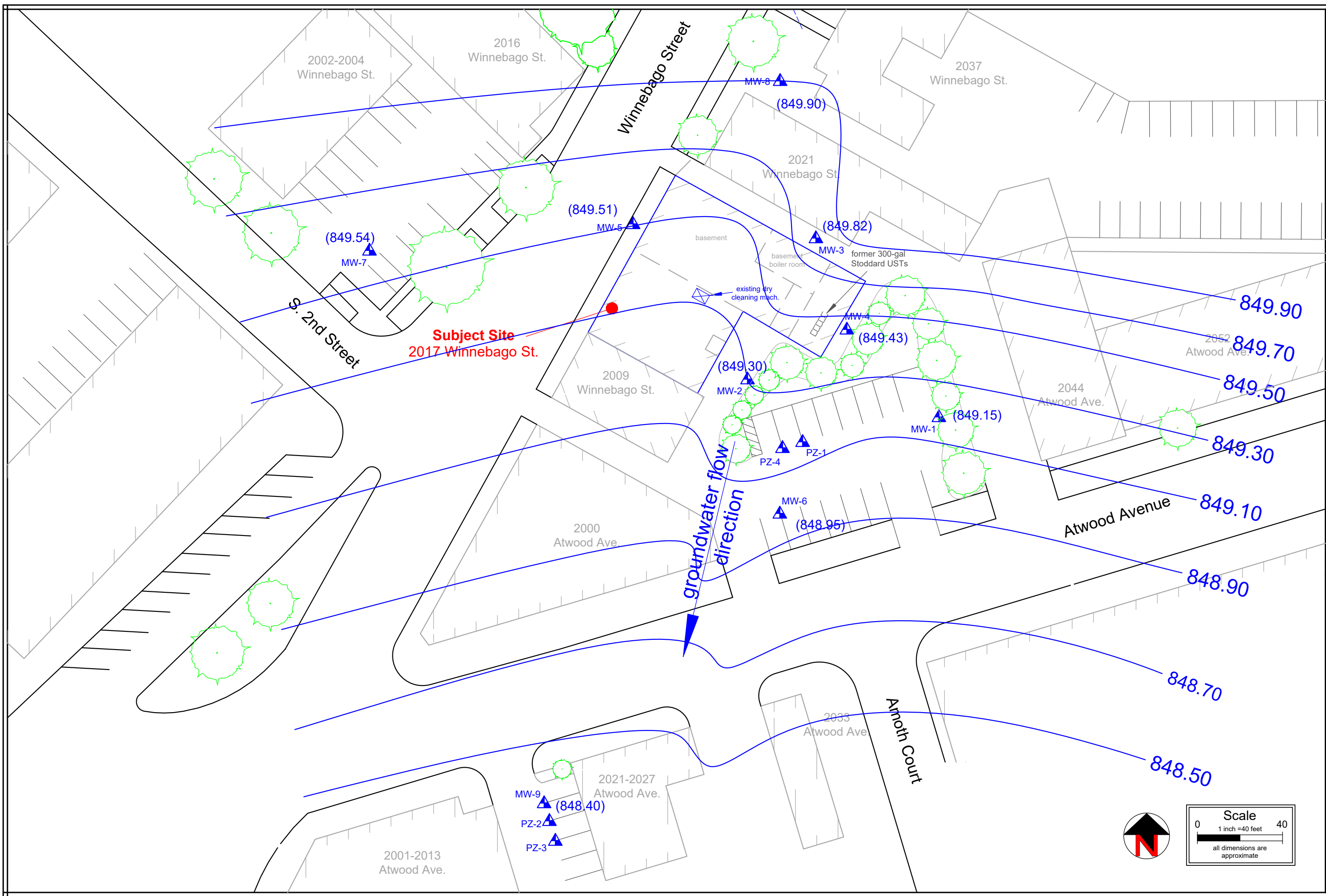
Scale
 horizontal scale: 1 in. = 30 ft.
 vertical scale: 1 in. = 8 ft
 all dimensions area approximate
 GW elevations based on 12-17-18 event



B.3.c.1 Groundwater Flow Direction Map (4-26-18)
 Block System Cleaners
 2017 Winnebago Street
 Madison, Wisconsin

Drawing No.: 11-0604aa
 DWG Date: 12-21-18
 Rev Date:
 Drafted by: JEB

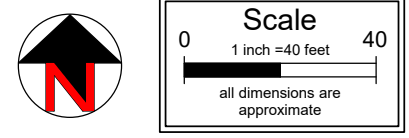


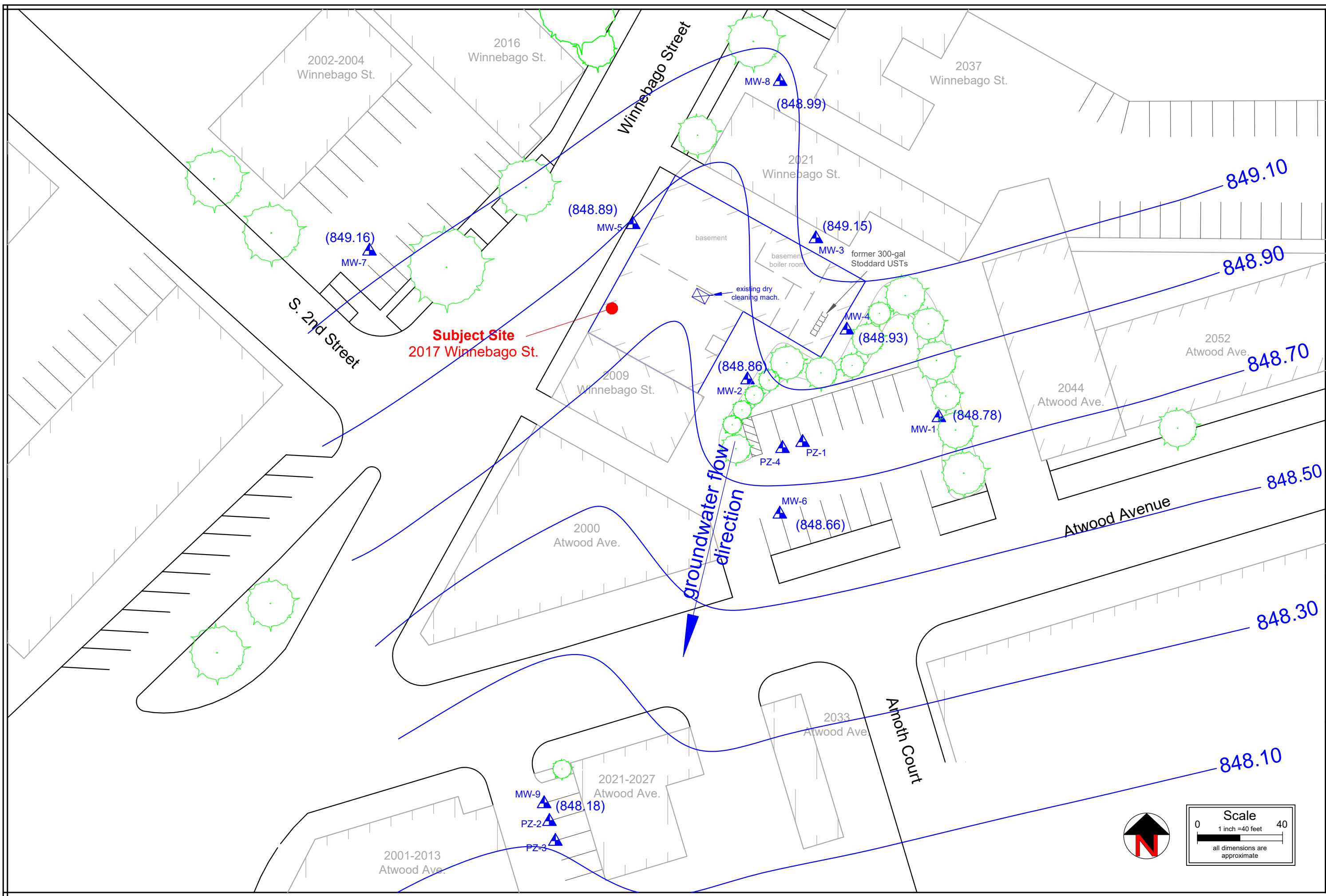


B.3.c.2 Groundwater Flow Direction Map (8-7-18)
 Block System Cleaners
 2017 Winnebago Street
 Madison, Wisconsin

Drawing No.: 11-0604ab
 DWG Date: 12-21-18
 Rev Date:
 Drafted by: JEB

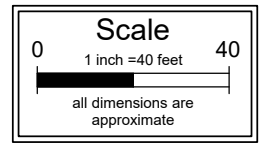
ReadyEarth
 Consulting, Inc.

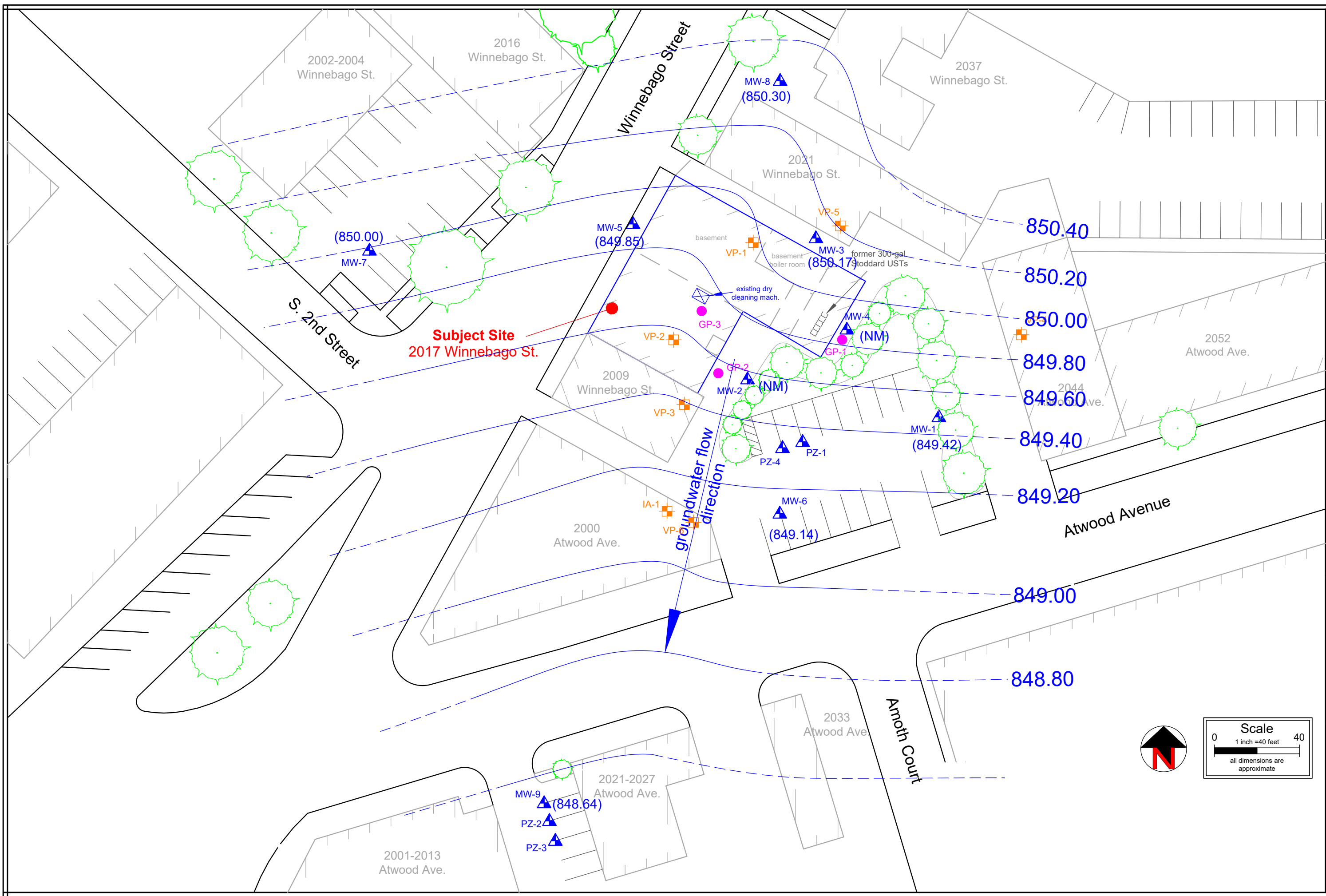




B.3.c.3 Groundwater Flow Direction Map (12-17-18)
 Block System Cleaners
 2017 Winnebago Street
 Madison, Wisconsin

Drawing No.: 11-0604ad
 DWG Date: 12-21-18
 Rev Date:
 Drafted by: JEB





B.3.c.4 Groundwater Flow Direction Map (4-13-19)
 Block System Cleaners
 2017 Winnebago Street
 Madison, Wisconsin

Dwg No.: 11-0604ab
 DWG Date: 07-26-19
 Rev Date:
 Drafted by: JEB

Scale
 0 1 inch = 40 feet 40
 all dimensions are approximate





Boring Number:

B-9/MW-9

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Badger State Drilling** Drill Date: **4-2-18** Drilling Method: **4.25 HSA**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **859.27** Well Name: **MW-9** Unique Well ID: **VR055** Boring Location Description: **parking lot of 2015 Atwood Ave (restaurant across street from site)**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
-	-	-	0	asphalt ground surface and base coarse.		-
			2	brown silty fine to medium SAND, silt increases with depth, few to trace coarse gravel, medium dense to dense, damp, no odor.	SM	<1
1	18	34	4			*<1
2	18	28	6	dark brown silty fine to medium SAND, few to trace coarse gravel, medium dense, damp to moist, no odor.	SM	<1
3	18	18	8	brown silty fine to medium SAND, trace coarse gravel, medium dense, moist to very moist, no odor.	SW	*18
4	20	14	10	brown silty fine to medium SAND, trace coarse gravel, medium dense, very moist to wet, no odor.	SW	19
5	16	11	12			24
6	18	13	14	brown silty fine to medium SAND, trace coarse gravel, medium dense, very moist to wet, no odor.	ML	23
7	18	73	16			NM
8	NR	NR	18	end of boring at 18 feet bgs. Installed MW-9 (see well construction report).		

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

Signature: _____ Firm: **ReadyEarth Consulting, Inc.**



Boring Number:

PZ-2

Facility/Project Name: Block System Cleaners		Property Address: 2017 Winnebago Street, Madison, WI	
Boring Drilled by (name & firm): Badger State Drilling		Drill Date: 4-2-18	Drilling Method: 4 1/4 hollow stem augers
Site Location: SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E		County & Code: Dane - 13	DNR FID Number: 113153590
		DNR BRRTS Number: 02-13-552132	
Surface Elevation: 859.10	Well Name: PZ-2	Unique Well ID: VR056	Boring Location Description: parking lot of 2015 Atwood Avenue (slightly south of MW-9)

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
-	-	-	0	asphalt ground surface and base coarse.		-
			2	brown silty fine to medium SAND, silt increases with depth, few to trace coarse gravel, medium dense to dense, damp, no odor.		
1	18	31	4	blind drilled between intervals - cuttings appeared similar to above.	SM	*<1
-	-	-	6			-
2	18	23	8	dark brown silty fine to medium SAND, few to trace gravel, medium dense, damp to moist, no odor.	SW	*<1
-	-	-	10	blind drilled between intervals - cuttings appeared similar to above.		-
3	20	12	12	brown silty fine to medium SAND, few to trace gravel, medium dense, moist to wet, no odor.	SW	<1
-	-	-	14	blind drilled between intervals - cuttings appeared similar to above.		-
-	-	-	16	brown fine sandy SILT, hard/dense, damp, no odor.	ML	-
-	-	-	18			-
-	-	-	20	auger refusal at 19.5 feet bgs - possible bedrock. Changed to air rotary and continued to 25 feet bgs.		-
-	-	-	22			-
-	-	-	24			-
-	-	-	26			-
-	-	-	28	see page 2		-

Facility/Project Name:

Block System Cleaners

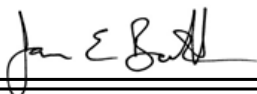
Property Address:

2017 Winnebago Street, Madison, WI

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
-	-	-	28	auger cuttings appear the same as above.	SW	-
-	-	-	30			-
4	24	50/5	32	brown silty fine to coarse SAND, some fine to coarse gravel, very dense, wet, no odor.	SW	<1
-	-	-	34	blind drilled between intervals - cuttings appeared similar to above.		-
5	1	50/4	36	gray fine sandy SILT, some clay, some coarse sand, some fine to coarse gravel, hard/very dense, wet, no odor.		<1
-	-	-	38			-
6	1	50/4	40			<1
-	-	-	42		ML	-
10	20	40	44			<1
-	-	-	46			-
-	-	-	48			-
				end of boring at 48 feet bgs. Installed PZ-2 (see well construction report).		

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

Signature:



Firm:

ReadyEarth Consulting, Inc.



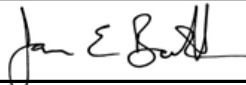
Boring Number:

PZ-3

Facility/Project Name: Block System Cleaners		Property Address: 2017 Winnebago Street, Madison, WI	
Boring Drilled by (name & firm): Badger State Drilling		Drill Date: 4-3-18	Drilling Method: 4 1/4 hollow stem augers
Site Location: SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E		County & Code: Dane - 13	DNR FID Number: 113153590
		DNR BRRTS Number: 02-13-552132	
Surface Elevation: 858.98	Well Name: PZ-3	Unique Well ID: VR057	Boring Location Description: parking lot of 2015 Atwood Avenue (slightly south of PZ-2)

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
-	-	-		asphalt ground surface and base coarse.		-
			48	blind drilled to 48 feet bgs (depth of PZ-2). Cuttings appeared similar to PZ-2.		-
1	NR	50/1	50	gray fine sandy SILT, some clay, some coarse sand, some fine to coarse gravel, hard/very dense, wet, no odor.	ML	<1
-	-	-	52	Very low recoveries. Soil identification based on tip of cutting shoes.		-
2	NR	50/1	54			<1
-	-	-	56	-		
3	NR	50/1	58	<1		
-	-	-	60	-		
4	NR	50/1	62	<1		
-	-	-	64	blind drilled to end of boring. Cuttings appeared same as above.		-
-	-	-	66			-
-	-	-	68			-
-	-	-	70		-	
				end of boring at 70 feet bgs. Installed PZ-3 (see well construction report).		

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

Signature: 	Firm: ReadyEarth Consulting, Inc.
---	---



Boring Number:

PZ-4

Facility/Project Name: Block System Cleaners		Property Address: 2017 Winnebago Street, Madison, WI	
Boring Drilled by (name & firm): Badger State Drilling		Drill Date: 4-4-18	Drilling Method: 4 1/4 hollow stem augers
Site Location: SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E		County & Code: Dane - 13	DNR FID Number: 113153590
		DNR BRRTS Number: 02-13-552132	
Surface Elevation: 860.99	Well Name: PZ-4	Unique Well ID: VR058	Boring Location Description: parking lot of 2000 Atwood Avenue (slightly west of PZ-1)

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
-	-	-	0	asphalt ground surface and base coarse.		-
-	-	-	2	blind drilled to 4 feet to begin sampling. Cuttings were brown fine to coarse sandy SILT, some to little clay, little to few gravel, damp no odor.	ML	-
1	6	21	4	brown silty fine SAND, some medium to coarse sand, silt increases with depth, some to little clay, few to trace coarse gravel, medium dense, damp, no odor.	SM	*7.9
-	-	-	6	blind drilled between intervals - cuttings appeared similar to above.		-
2	16	26	8	brown silty fine SAND, some medium to coarse sand, some to little clay, few to trace gravel, medium dense, damp to moist, no odor.	SW	*47
-	-	-	10	blind drilled between intervals - cuttings appeared similar to above.		-
3	18	67	12	brown silty fine to coarse SAND, few to trace gravel, medium dense, moist to wet, no odor.	SW	*46
-	-	-	14	blind drilled between intervals - cuttings appeared similar to above.		-
-	-	-	16			-
4	22	50/6	18	brown fine to medium SAND, little silt, few to trace gravel, interbedded coarse sand seams, very dense, wet, no odor.	SW	*36
-	-	-	20	brown fine sandy SILT, few to trace gravel, very dense, wet, no odor.		-
-	-	-	22		ML	-
5	12	50/5	24			15
-	-	-	26			-
-	-	-	28	see page 2		-

Facility/Project Name:

Property Address:

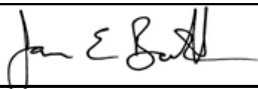
Block System Cleaners

2017 Winnebago Street, Madison, WI

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
-	-	-	28	auger cuttings appear the same as above.		-
6	24	50/2	30	gray brown silty fine SAND, some medium to coarse sand, some fine gravel, trace coarse gravel, very dense, wet, no odor.	SW	4
-	-	-	32	blind drilled between intervals - cuttings appeared similar to above.		-
7	4	50/4	34	brown fine to coarse SAND, some silt, little clay, some fine to coarse gravel, very dense, wet, no odor.		<1
-	-	-	36	blind drilled between intervals - cuttings appeared similar to above.	SW	-
-	-	-	38			-
8	NR	50/4	40	gray fine sandy SILT, some clay, some coarse sand, some fine to coarse gravel, hard/very dense, wet, no odor.		NM
-	-	-	42			-
-	-	-	44	blind drilled between intervals - cuttings appeared similar to above.		-
-	-	-	46		ML	-
-	-	-	48			-
9	3	50/3	50			1.5
-	-	-	55			-
-	-	-	60			-
				end of boring at 60 feet bgs. Installed PZ-4 (see well construction report).		

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

Signature:



Firm:

ReadyEarth Consulting, Inc.

Page 2 of 2



Boring Number:

P-1

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Matthew Baake - Baake Field Services LLC** Drill Date: **4-12-19** Drilling Method: **2-inch soil probe**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **862.39** Well Name: **NA** Unique Well ID: **NA** Boring Location Description: **adjacent to MW-3 in alley**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
1	16	NA	0	asphalt ground surface and base coarse.		
			1	Fill - brown to dark brown SILT, some sand, little clay and gravel, damp, no odor.	ML	1.8
2	18	NA	2	brown silty CLAY, little fine to coarse sand, medium stiff, damp to moist, no odor.	CL-ML	2.7
3	20	NA	4			
4	20	NA	6	brown fine to coarse SAND, some fine to coarse gravel, damp, no odor.	SW	1.7
5	20	NA	8			
6	16	NA	10	brown fine sandy SILT, some to trace gravel, stiff, damp, no odor.	ML	2.5
7	22	NA	12			
			14	grayish brown SILT and CLAY, some fine sand, wet, no odor.	ML	
			15	end of probe at 15 feet bgs.		
			16			
			18			
			20			
			22			
			24			

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

Signature: *Jan E. Baake* Firm: **ReadyEarth Consulting, Inc.**



Boring Number:

P-2

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Matthew Baake - Baake Field Services LLC** Drill Date: **4-12-19** Drilling Method: **2-inch soil probe**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **861.34** Well Name: **NA** Unique Well ID: **NA** Boring Location Description: **adjacent to MW-2 at rear of Block**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
1	20	NA	0	asphalt ground surface and base coarse.		
			1	Fill - brown to dark brown SILT, some sand, little clay and gravel, damp, no odor.	ML	1.9
2	18	NA	2	brown silty CLAY, little fine to coarse sand, medium stiff, damp to moist, no odor.	CL-ML	2.7
3	16	NA	4	brown silty fine to medium SAND, some clay, very soft, wet, no odor.	SP	2.6
4	20	NA	6			
5	18	NA	8			
6	22	NA	10	brown fine to coarse SAND, trace gravel and rock, moist to wet, no odor.	SW	2.7
7	24	NA	12			
			14	brown fine to coarse SAND, trace gravel and rock, wet, no odor.	SW	2.7
			16	end of probe at 22 feet bgs.		
			18			
			20			
			22			
			24			

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

Signature: *Jan E. Baake* Firm: **ReadyEarth Consulting, Inc.**



Boring Number:

P-3

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Matthew Baake - Baake Field Services LLC** Drill Date: **4-12-19** Drilling Method: **2-inch soil probe**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **NM** Well Name: **NA** Unique Well ID: **NA** Boring Location Description: **adjacent to and west of the former stoddard UST area**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
1	20	NA	0	rubble and broken concrete ground surface		
			1	Fill - brown to dark brown SILT, some sand, little clay and gravel, damp, no odor.	ML	<1
2	16	NA	2	brown silty CLAY, little fine to coarse sand, medium stiff, damp to moist, no odor.	CL-ML	2.4
3	18	NA	4	brown silty fine to coarse SAND, some fine to coarse gravel, very soft, moist to wet, no odor.	SM	2.7
4	18	NA	6			
5	22	NA	8	brown silty fine SAND, some fine to coarse gravel/rock, silt increases with depth, damp, no odor.	ML	5.6
6	20	NA	10			
7	22	NA	12	brown silty fine to medium SAND, little fine gravel, trace coarse gravel/rock, moist to wet, weathered petroleum odor increasing with depth.	SP	757
			14			
			16	end of probe at 15 feet bgs.		
			18			
			20			
			22			
			24			
			26			

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

Signature:

Firm: **ReadyEarth Consulting, Inc.**



Boring Number:

P-4

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Matthew Baake - Baake Field Services LLC** Drill Date: **4-12-19** Drilling Method: **2-inch soil probe**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **NM** Well Name: **NA** Unique Well ID: **NA** Boring Location Description: **adjacent to the former floor drain in the stoddard UST room**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
1	20	NA	0	rubble and broken concrete ground surface		
			1	Fill - brown to dark brown SILT, some sand, little clay and gravel, damp, no odor.	ML	2.5
2	18	NA	2	brown silty CLAY, little fine to coarse sand, medium stiff, damp to moist, no odor.	CL-ML	2.7
3	20	NA	4	brown silty fine to coarse SAND, some fine to coarse gravel, very soft, moist to wet, no odor.	SM	2.7
4	22	NA	6			
5	20	NA	8	brown silty fine SAND, some fine to coarse gravel/rock, silt increases with depth, damp, no odor.	ML	1.8
6	22	NA	10			
7	22	NA	12	brown silty fine to medium SAND, little fine gravel, trace coarse gravel/rock, moist to wet, weathered petroleum odor increasing with depth.	SP	652
			14			
			16	end of probe at 15 feet bgs.		
			18			
			20			
			22			
			24			
			26			

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

Signature: *Jan E. Baake* Firm: **ReadyEarth Consulting, Inc.**



Boring Number:

P-5

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Matthew Baake - Baake Field Services LLC** Drill Date: **4-12-19** Drilling Method: **2-inch soil probe**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **NM** Well Name: **NA** Unique Well ID: **NA** Boring Location Description: **adjacent to MW-4**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
1	20	NA	0	rubble and broken concrete ground surface		
			1	Fill - brown to dark brown SILT, some sand, little clay and gravel, damp, no odor.	ML	2.7
2	20	NA	2	brown silty CLAY, little fine to coarse sand, medium stiff, damp to moist, no odor.	CL-ML	1.8
3	20	NA	4	brown silty fine to coarse SAND, some fine to coarse gravel, very soft, moist to wet, no odor.	SM	2.7
4	20	NA	6			2.4
5	20	NA	8	brown silty fine SAND, some fine to coarse gravel/rock, silt increases with depth, damp, no odor.	ML	2.7
6	22	NA	10			4.7
7	20	NA	12	brown silty fine to medium SAND, little fine gravel, trace coarse gravel/rock, moist to wet, weathered petroleum odor increasing with depth.	SP	801
			14			
			16	end of probe at 15 feet bgs.		
			18			
			20			
			22			
			24			
			26			

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

Signature:  Firm: **ReadyEarth Consulting, Inc.**



Boring Number:

P-6

Facility/Project Name: **Block System Cleaners** Property Address: **2017 Winnebago Street, Madison, WI**

Boring Drilled by (name & firm): **Matthew Baake - Baake Field Services LLC** Drill Date: **4-12-19** Drilling Method: **2-inch soil probe**

Site Location: **SW 1/4 of the SE 1/4, Section 6, T. 7N, R. 10E** County & Code: **Dane - 13** DNR FID Number: **113153590** DNR BRRTS Number: **02-13-552132**

Surface Elevation: **NM** Well Name: **NA** Unique Well ID: **NA** Boring Location Description: **adjacent to and east of the former stoddard UST area**

Sample Number	Recovery	Blow Counts	Depth in ft. bgs	Soil Description	USCS	PID Reading
1	22	NA	0	rubble and broken concrete ground surface		
			1	Fill - brown to dark brown SILT, some sand, little clay and gravel, damp, no odor.	ML	1.8
2	20	NA	2	brown silty CLAY, little fine to coarse sand, medium stiff, damp to moist, no odor.	CL-ML	2.7
3	22	NA	4	brown silty fine to coarse SAND, some fine to coarse gravel, very soft, moist to wet, no odor.	SM	2.7
4	16	NA	6	brown silty fine SAND, some fine to coarse gravel/rock, silt increases with depth, damp, no odor.	ML	2.4
5	20	NA	8			2.7
6	20	NA	10			1.8
7	22	NA	12	brown silty fine to medium SAND, little fine gravel, trace coarse gravel/rock, moist to wet, weathered petroleum odor increasing with depth.	SP	679
			14			
			16	end of probe at 15 feet bgs.		
			18			
			20			
			22			
			24			
			26			

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

Signature: *Jan E. Bull* Firm: **ReadyEarth Consulting, Inc.**

Facility/Project Name Former Bulk Cleaners		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name MW-9	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. VROSS DNR Well ID No.	
Facility ID 113153590		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 04/02/2018 m m d d y y y y	
Type of Well Well Code 11, MW		Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 6, T. 7 N, R. 10 E		Well Installed By: Name (first, last) and Firm BADGER STATE DRILLING	
Distance from Waste/Source 265 ft.		Location of Well-Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	

- A. Protective pipe, top elevation - **859.27** ft. MSL
- B. Well casing, top elevation - **859.01** ft. MSL
- C. Land surface elevation - **859.27** ft. MSL
- D. Surface seal, bottom _____ ft. MSL or _____ ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

13. Sieve analysis performed? Yes No

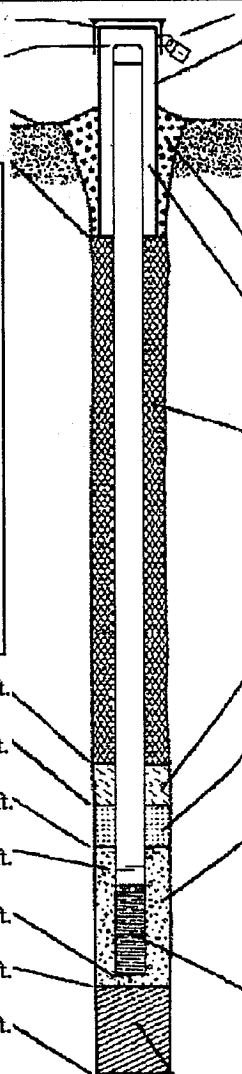
14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required):
NA



1. Cap and lock? Yes No
2. Protective cover pipe:
 a. Inside diameter: _____ in.
 b. Length: _____ ft.
 c. Material: Steel 04
 Other
3. Surface seal:
 Bentonite 30
 Concrete 01
 Other
4. Material between well casing and protective pipe:
 Bentonite 30
BENTONITE/SAND MIX Other
5. Annular space seal:
 a. Granular/Chipped Bentonite 33
 b. _____ Lbs/gal mud weight... Bentonite-sand slurry 35
 c. _____ Lbs/gal mud weight... Bentonite slurry 31
 d. _____ % Bentonite... Bentonite-cement grout 50
 e. _____ Ft³ volume added for any of the above
 f. How installed: Tremie 01
 Tremie pumped 02
 Gravity 08
6. Bentonite seal:
 a. Bentonite granules 33
 b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 c. _____ Other
7. Fine sand material: Manufacturer, product name & mesh size
 a. **RED FLINT #30**
 b. Volume added _____ ft³
8. Filter pack material: Manufacturer, product name & mesh size
 a. **RED FLINT #45**
 b. Volume added _____ ft³
9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
10. Screen material: **PVC**
 a. Screen type: Factory cut 11
 Continuous slot 01
 Other
 b. Manufacturer _____
 c. Slot size: **0.20** in.
 d. Slotted length: **10** ft.
11. Backfill material (below filter pack): None 14
 Other

- E. Bentonite seal, top _____ ft. MSL or **1** ft.
- F. Fine sand, top _____ ft. MSL or **6** ft.
- G. Filter pack, top _____ ft. MSL or **7** ft.
- H. Screen joint, top _____ ft. MSL or **8** ft.
- I. Well bottom _____ ft. MSL or **18** ft.
- J. Filter pack, bottom _____ ft. MSL or **18.5** ft.
- K. Borehole, bottom _____ ft. MSL or **18.5** ft.
- L. Borehole, diameter **8** in.
- M. O.D. well casing **2.38** in.
- N. I.D. well casing **2.00** in.

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

Signature **[Signature]** Firm **READY Earth CONSULTING INC.**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>FMR. BLOCK CLEANERS</u>	County Name <u>DANE</u>	Well Name <u>MW-9</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>VR055</u>
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other _____

3. Time spent developing well 35 min.

4. Depth of well (from top of well casing) 17.98 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 5.75 gal.

7. Volume of water removed from well 60 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

17. Additional comments on development:

INITIAL PURGE WAS 1.5 GALLONS. PURGED DRY 3 TIMES FOR DEVELOPMENT.

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>11.51</u> ft.	_____ ft.
Date	b. <u>04/26/2018</u> m m d d y y y y	____/____/____ m m d d y y y y
Time	c. <u>11:30</u> a.m. <input checked="" type="checkbox"/> _____ p.m. <input type="checkbox"/>	____:____ a.m. <input type="checkbox"/> ____:____ p.m. <input type="checkbox"/>
12. Sediment in well bottom	<u>0.0</u> inches	_____ inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>TURBID</u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: JASON Last Name: BARTLEY
Firm: POGGY EARTH CONSULTING, INC.

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Jim Last Name: FRIEDEL

Facility/Firm: BLOCK CLEANERS

Street: 2017 WINNEBAGO ST.

City/State/Zip: MADISON, WI 53704

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

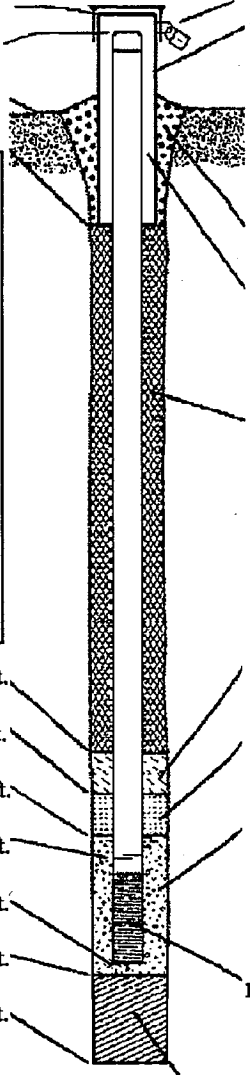
Signature: [Signature]

Print Name: JASON E. BARTLEY

Firm: POGGY EARTH CONSULTING, INC.

Facility/Project Name Former Bulk Cleaners		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name PZ-2	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. VRO56 DNR Well ID No.	
Facility ID 113153590		St. Plane ft. N. ft. E. S/C/N		Date Well Installed 04/02/2018 m m d d y y y y	
Type of Well Well Code 12, PZ		Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 6, T. 7 N, R. 10 E W		Well Installed By: Name (first, last) and Firm BADGER STATE DRILLING	
Distance from Waste/Source 270 ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input checked="" type="checkbox"/>					

A. Protective pipe, top elevation 859.10 ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation 858.70 ft. MSL	2. Protective cover pipe: a. Inside diameter: 9 in. b. Length: 1 ft. c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
C. Land surface elevation 859.10 ft. MSL	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
D. Surface seal, bottom 1 ft. MSL or 1 ft.	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 BENTONITE/SAND MIX Other <input checked="" type="checkbox"/>
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. 3 Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. 3 Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. 50 % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. 3 Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input checked="" type="checkbox"/> 03 None <input type="checkbox"/> 99	7. Fine sand material: Manufacturer, product name & mesh size a. RED FLINT #30 b. Volume added _____ ft ³
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Describe _____	8. Filter pack material: Manufacturer, product name & mesh size a. RED FLINT #45 b. Volume added _____ ft ³
17. Source of water (attach analysis, if required): NA	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
E. Bentonite seal, top 1 ft. MSL or 1 ft.	10. Screen material: PVC a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
F. Fine sand, top 39 ft. MSL or 39 ft.	b. Manufacturer _____ c. Slot size: 0.20 in. d. Slotted length: 5 ft.
G. Filter pack, top 41 ft. MSL or 41 ft.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
H. Screen joint, top 43 ft. MSL or 43 ft.	
I. Well bottom 48 ft. MSL or 48 ft.	
J. Filter pack, bottom 48.5 ft. MSL or 48.5 ft.	
K. Borehole, bottom 48.5 ft. MSL or 48.5 ft.	
L. Borehole, diameter 8 in.	
M. O.D. well casing 2.38 in.	
N. I.D. well casing 2.00 in.	



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

Signature: *[Signature]* Firm: READY EARTH CONSULTING INC.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>FMR. Block Cleaners</u>	County Name <u>DANE</u>	Well Name <u>PZ-2</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>VR056</u>
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other Surge w/ Pump
3. Time spent developing well 60 min.
4. Depth of well (from top of well casing) 47.59 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 19.1 gal.
7. Volume of water removed from well 20.0 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added NA
10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>11.80</u> ft.	_____ ft.
Date	b. <u>04/26/2018</u>	____/____/____
Time	c. <u>9:50</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	_____ inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>TURBID</u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) <u>CLEARING TO RELATIVELY CLEAR</u>

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: JASON Last Name: BARTLEY
Firm: Rocky Earth Consultants, Inc.

17. Additional comments on development:
SURGED WITH PUMP AND PUMPED UNTIL WATER WAS RELATIVELY FREE OF SEDIMENT.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Jim Last Name: FRIEDL

Facility/Firm: Block Cleaners

Street: 2017 WINNEBAGO ST.

City/State/Zip: MADISON, WI 53704

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

Signature: [Signature]

Print Name: JASON E. BARTLEY

Firm: Rocky Earth Consultants, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name Former Bulk Cleaners		Local Grid Location of Well _____ ft. <input type="checkbox"/> N. _____ ft. <input type="checkbox"/> E. _____ ft. <input type="checkbox"/> S. _____ ft. <input type="checkbox"/> W.		Well Name PZ-3	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. VR057 DNR Well ID No. _____	
Facility ID 113153590		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 04/03/2018 m m d d y y v v y	
Type of Well Well Code 12/PZ		Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 6, T. 7 N, R. 10 E		Well Installed By: Name (first, last) and Firm BADGER STATE DRILLING	
Distance from Waste/Source 270 ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number _____	
Enf. Stds. Apply <input checked="" type="checkbox"/>					

- A. Protective pipe, top elevation **858.98** ft. MSL
- B. Well casing, top elevation **858.59** ft. MSL
- C. Land surface elevation **858.98** ft. MSL
- D. Surface seal, bottom _____ ft. MSL or **1.0** ft.

12. USCS classification of soil near screen:
 GP GM GC GW SW SP
 SM SC ML MH CL CH
 Bedrock

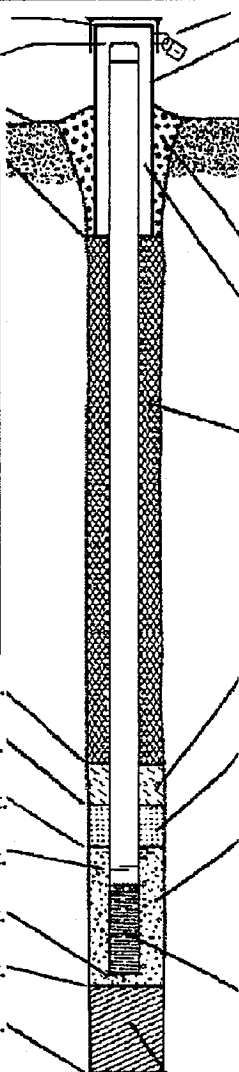
13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
 Hollow Stem Auger 41
 Other

15. Drilling fluid used: Water 02 Air 01
 Drilling Mud 03 None 99

16. Drilling additives used? Yes No
 Describe _____

17. Source of water (attach analysis, if required):
NA



- 1. Cap and lock? Yes No
- 2. Protective cover pipe:
 - a. Inside diameter: **9** in.
 - b. Length: **L** ft.
 - c. Material: Steel 04
Other
 - d. Additional protection? Yes No
If yes, describe: _____
- 3. Surface seal: Bentonite 30
Concrete 01
Other
- 4. Material between well casing and protective pipe: Bentonite 30
BENTONITE/SAND MIX Other
- 5. Annular space seal:
 - a. Granular/Chipped Bentonite 33
 - b. _____ Lbs/gal mud weight... Bentonite-sand slurry 35
 - c. _____ Lbs/gal mud weight... Bentonite slurry 31
 - d. _____ % Bentonite... Bentonite-cement grout 50
 - e. _____ Ft³ volume added for any of the above
 - f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
- 6. Bentonite seal:
 - a. Bentonite granules 33
 - b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
 - c. _____ Other
- 7. Fine sand material: Manufacturer, product name & mesh size
 - a. **RED FLINT #30**
 - b. Volume added _____ ft³
- 8. Filter pack material: Manufacturer, product name & mesh size
 - a. **RED FLINT #45**
 - b. Volume added _____ ft³
- 9. Well casing: Flush threaded PVC schedule 40 23
 Flush threaded PVC schedule 80 24
 Other
- 10. Screen material: **PVC**
 - a. Screen type: Factory cut 11
Continuous slot 01
Other
 - b. Manufacturer _____
 - c. Slot size: **0.20** in.
 - d. Slotted length: **5** ft.
- 11. Backfill material (below filter pack): None 14
Other

- E. Bentonite seal, top _____ ft. MSL or **1** ft.
- F. Fine sand, top _____ ft. MSL or **61** ft.
- G. Filter pack, top _____ ft. MSL or **63** ft.
- H. Screen joint, top _____ ft. MSL or **65** ft.
- I. Well bottom _____ ft. MSL or **70** ft.
- J. Filter pack, bottom _____ ft. MSL or **70.5** ft.
- K. Borehole, bottom _____ ft. MSL or **70.5** ft.
- L. Borehole, diameter **8** in.
- M. O.D. well casing **2.38** in.
- N. I.D. well casing **2.00** in.

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

Signature *John E. [Signature]* Firm **Benoy Earth Consulting, Inc.**

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>FMR. BLOCK CLEANERS</u>	County Name <u>DANE</u>	Well Name <u>PZ-3</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>VR 057</u>
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other Surged w/pump
3. Time spent developing well 60 min.
4. Depth of well (from top of well casing) 69.51 ft.
5. Inside diameter of well 2.00 in.
6. Volume of water in filter pack and well casing 30.7 gal.
7. Volume of water removed from well 50.0 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added NA
10. Analysis performed on water added? Yes No
(If yes, attach results)

11. Depth to Water (from top of well casing)

	Before Development	After Development
a.	<u>11.98</u> ft.	_____ ft.

Date b. 04/26/2018 1/1 1/1
m m d d y y y y m m d d y y y y

Time c. 10:50 a.m. a.m.
 p.m. p.m.

12. Sediment in well bottom 0.0 inches _____ inches

13. Water clarity

Clear <input checked="" type="checkbox"/> 10	Clear <input type="checkbox"/> 20
Turbid <input type="checkbox"/> 15	Turbid <input type="checkbox"/> 25

(Describe) TURBID _____
CLEARING _____
TO RESTRAY _____
CLEAR _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: JASON Last Name: BARLEY
Firm: PROXY EARTH CONSULTING, INC.

17. Additional comments on development:
SURGED WITH PUMP AND PUMPED UNTIL WATER WAS RELATIVELY FREE OF SEDIMENT.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Jim Last Name: FRIEDEL

Facility/Firm: BLOCK CLEANERS

Street: 2017 WINNEBAGO ST.

City/State/Zip: MADISON, WI 53704

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

Signature: [Signature]

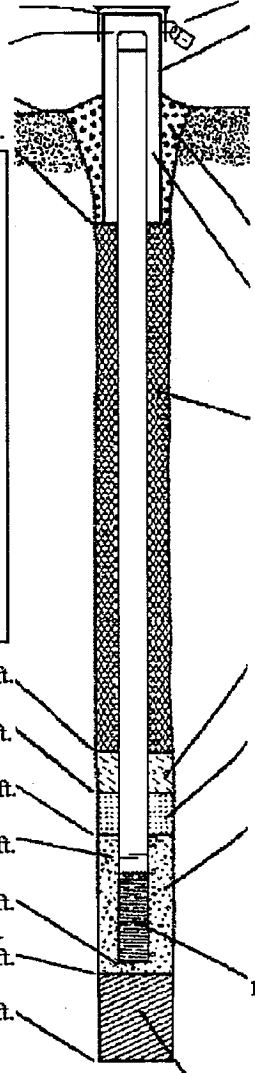
Print Name: JASON E. BARLEY

Firm: PROXY EARTH CONSULTING, INC.

NOTE: See instructions for more information including a list of county codes and well type codes.

Facility/Project Name Former Bulk Cleaners		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> E. ft. <input type="checkbox"/> S. <input type="checkbox"/> W.		Well Name PZ-4	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>		Wis. Unique Well No. VRO58 DNR Well ID No.	
Facility ID 113153590		St. Plane _____ ft. N. _____ ft. E. S/C/N		Date Well Installed 04/04/2018 m m d d y y y y	
Type of Well Well Code 12, PZ		Section Location of Waste/Source SW 1/4 of SE 1/4 of Sec. 6 T. 7 N. R. 10 SE W		Well Installed By: Name (first, last) and Firm BADGER STATE DRILLING	
Distance from Waste/Source 65 ft.		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input checked="" type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known		Gov. Lot Number	
Enf. Stds. Apply <input checked="" type="checkbox"/>					

A. Protective pipe, top elevation	860.99 ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	860.54 ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	860.99 ft. MSL	a. Inside diameter:	9 in.
D. Surface seal, bottom	_____ ft. MSL or _____ ft.	b. Length:	1 ft.
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input checked="" type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		c. Material:	Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	d. Additional protection?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	3. Surface seal:	Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input checked="" type="checkbox"/> 03 None <input type="checkbox"/> 99		4. Material between well casing and protective pipe:	Bentonite <input type="checkbox"/> 30 BENTONITE/SAND MIX Other <input checked="" type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight ... Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight ... Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite ... Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input checked="" type="checkbox"/> 08
17. Source of water (attach analysis, if required): NA		6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top	_____ ft. MSL or 1 ft.	7. Fine sand material: Manufacturer, product name & mesh size	a. RED FLINT #30
F. Fine sand, top	_____ ft. MSL or 51 ft.	b. Volume added _____ ft ³	
G. Filter pack, top	_____ ft. MSL or 53 ft.	8. Filter pack material: Manufacturer, product name & mesh size	a. RED FLINT #45
H. Screen joint, top	_____ ft. MSL or 55 ft.	b. Volume added _____ ft ³	
I. Well bottom	_____ ft. MSL or 60 ft.	9. Well casing:	Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
J. Filter pack, bottom	_____ ft. MSL or 60.5 ft.	10. Screen material: PVC	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom	_____ ft. MSL or 60.5 ft.	b. Manufacturer _____	c. Slot size: 0.20 in.
L. Borehole, diameter	8 in.	d. Slotted length: 5 ft.	
M. O.D. well casing	2.38 in.	11. Backfill material (below filter pack):	None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
N. I.D. well casing	2.00 in.		



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

Signature: [Signature] Firm: Ready Earth Consulting, Inc.

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name <u>FMR. BLOCK CLEANERS</u>	County Name <u>DANE</u>	Well Name <u>PZ-4</u>
Facility License, Permit or Monitoring Number	County Code <u>13</u>	Wis. Unique Well Number <u>VR 058</u>
		DNR Well ID Number _____

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	41
surged with bailer and pumped	<input type="checkbox"/>	61
surged with block and bailed	<input type="checkbox"/>	42
surged with block and pumped	<input type="checkbox"/>	62
surged with block, bailed and pumped	<input type="checkbox"/>	70
compressed air	<input type="checkbox"/>	20
bailed only	<input type="checkbox"/>	10
pumped only	<input type="checkbox"/>	51
pumped slowly	<input type="checkbox"/>	50
Other <u>Surged w/ Pump</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

3. Time spent developing well 60 min.

4. Depth of well (from top of well casing) 59.43 ft.

5. Inside diameter of well 2.00 in.

6. Volume of water in filter pack and well casing 245 gal.

7. Volume of water removed from well 50.0 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added NA

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>13.53</u> ft.	_____ ft.
Date	b. <u>04/26/2018</u>	____/____/____
Time	c. <u>4:30</u> <input checked="" type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	____:____ <input type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	<u>0.0</u> inches	_____ inches
13. Water clarity	Clear <input checked="" type="checkbox"/> 10 Turbid <input type="checkbox"/> 15 (Describe) <u>TURBID CLEARING TO RESTRAY CLEAR</u>	Clear <input type="checkbox"/> 20 Turbid <input type="checkbox"/> 25 (Describe) _____

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: JASON Last Name: BARTLEY

Firm: Reedy Earth Consulting, Inc.

17. Additional comments on development:
SURGED WITH PUMP AND PUMPED UNTIL WATER WAS RELATIVELY FREE OF SEDIMENT.

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Jim Last Name: FRIEDEL

Facility/Firm: BLOCK CLEANERS

Street: 2017 WINNEBAGO ST.

City/State/Zip: MADISON, WI 53704

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

Signature: [Signature]

Print Name: JASON E. BARTLEY

Firm: Reedy Earth Consulting, Inc.

NOTE: See instructions for more information including a list of county codes and well type codes.

May 04, 2018

Jason Bartley
ReadyEarth Consulting, Inc.
P.O. Box 365
Pewaukee, WI 53072

RE: Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40168375

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on May 02, 2018. 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

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

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SAMPLE SUMMARY

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40168375001	MW-8	Water	04/26/18 00:00	05/02/18 09:25
40168375002	MW-7	Water	04/26/18 00:00	05/02/18 09:25
40168375003	MW-9	Water	04/26/18 00:00	05/02/18 09:25
40168375004	PZ-2	Water	04/26/18 00:00	05/02/18 09:25
40168375005	PZ-3	Water	04/26/18 00:00	05/02/18 09:25
40168375006	PZ-4	Water	04/26/18 00:00	05/02/18 09:25
40168375007	MW-1	Water	04/26/18 00:00	05/02/18 09:25
40168375008	MW-2	Water	04/26/18 00:00	05/02/18 09:25
40168375009	MW-6	Water	04/26/18 00:00	05/02/18 09:25
40168375010	MW-5	Water	04/26/18 00:00	05/02/18 09:25
40168375011	MW-3	Water	04/26/18 00:00	05/02/18 09:25
40168375012	MW-4	Water	04/26/18 00:00	05/02/18 09:25
40168375013	PZ-1	Water	04/26/18 00:00	05/02/18 09:25

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40168375001	MW-8	EPA 8260	LAP	64
40168375002	MW-7	EPA 8260	LAP	64
40168375003	MW-9	EPA 8260	LAP	64
40168375004	PZ-2	EPA 8260	LAP	64
40168375005	PZ-3	EPA 8260	LAP	64
40168375006	PZ-4	EPA 8260	LAP	64
40168375007	MW-1	EPA 8260	LAP	64
40168375008	MW-2	EPA 8260	LAP	64
40168375009	MW-6	EPA 8260	LAP	64
40168375010	MW-5	EPA 8260	LAP	64
40168375011	MW-3	EPA 8260	LAP	64
40168375012	MW-4	EPA 8260	LAP	64
40168375013	PZ-1	EPA 8260	LAP	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-8 **Lab ID: 40168375001** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 20:54	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 20:54	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 20:54	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 20:54	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 20:54	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 20:54	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 20:54	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 20:54	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 20:54	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 20:54	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 20:54	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 20:54	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 20:54	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 20:54	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 20:54	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 20:54	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 20:54	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 20:54	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 20:54	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 20:54	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 20:54	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 20:54	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 20:54	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 20:54	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 20:54	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 20:54	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-8 **Lab ID: 40168375001** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 20:54	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 20:54	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 20:54	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 20:54	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 20:54	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 20:54	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 20:54	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 20:54	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 20:54	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 20:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	61-130		1		05/03/18 20:54	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		05/03/18 20:54	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/03/18 20:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-7 **Lab ID: 40168375002** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 21:17	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 21:17	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 21:17	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 21:17	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 21:17	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 21:17	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 21:17	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 21:17	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 21:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 21:17	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 21:17	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 21:17	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 21:17	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 21:17	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 21:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 21:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 21:17	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 21:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 21:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 21:17	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 21:17	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 21:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 21:17	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 21:17	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 21:17	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 21:17	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-7 **Lab ID: 40168375002** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 21:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 21:17	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 21:17	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 21:17	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 21:17	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:17	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 21:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 21:17	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 21:17	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 21:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		05/03/18 21:17	460-00-4	
Dibromofluoromethane (S)	116	%	67-130		1		05/03/18 21:17	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		05/03/18 21:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-9 **Lab ID: 40168375003** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 22:02	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 22:02	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 22:02	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 22:02	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 22:02	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 22:02	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 22:02	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 22:02	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 22:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 22:02	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 22:02	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 22:02	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 22:02	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 22:02	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 22:02	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 22:02	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 22:02	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 22:02	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 22:02	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 22:02	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 22:02	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 22:02	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 22:02	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 22:02	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 22:02	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 22:02	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	100-42-5	
Tetrachloroethene	0.55J	ug/L	1.0	0.50	1		05/03/18 22:02	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-9 **Lab ID: 40168375003** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 22:02	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 22:02	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 22:02	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 22:02	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 22:02	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:02	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 22:02	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 22:02	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 22:02	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 22:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		05/03/18 22:02	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		05/03/18 22:02	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/03/18 22:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-2 **Lab ID: 40168375004** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 22:24	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 22:24	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 22:24	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 22:24	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 22:24	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 22:24	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 22:24	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 22:24	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 22:24	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 22:24	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 22:24	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 22:24	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 22:24	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 22:24	106-43-4	
Benzene	0.65J	ug/L	1.0	0.50	1		05/03/18 22:24	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 22:24	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 22:24	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 22:24	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 22:24	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 22:24	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 22:24	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 22:24	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 22:24	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 22:24	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 22:24	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 22:24	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 22:24	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	100-42-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-2 **Lab ID: 40168375004** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	0.98J	ug/L	1.0	0.50	1		05/03/18 22:24	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 22:24	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 22:24	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 22:24	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 22:24	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 22:24	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:24	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 22:24	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 22:24	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 22:24	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 22:24	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	61-130		1		05/03/18 22:24	460-00-4	
Dibromofluoromethane (S)	106	%	67-130		1		05/03/18 22:24	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/03/18 22:24	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-3 **Lab ID: 40168375005** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 22:47	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 22:47	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 22:47	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 22:47	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 22:47	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 22:47	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 22:47	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 22:47	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 22:47	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 22:47	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 22:47	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 22:47	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 22:47	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 22:47	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 22:47	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 22:47	74-97-5	
Bromodichloromethane	0.62J	ug/L	1.0	0.50	1		05/03/18 22:47	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 22:47	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 22:47	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 22:47	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	74-87-3	
Dibromochloromethane	0.66J	ug/L	1.0	0.50	1		05/03/18 22:47	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 22:47	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 22:47	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 22:47	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 22:47	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 22:47	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 22:47	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 22:47	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	100-42-5	
Tetrachloroethene	14.5	ug/L	1.0	0.50	1		05/03/18 22:47	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-3 **Lab ID: 40168375005** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	108-88-3	
Trichloroethene	1.0	ug/L	1.0	0.33	1		05/03/18 22:47	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 22:47	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 22:47	75-01-4	
cis-1,2-Dichloroethene	1.0	ug/L	1.0	0.26	1		05/03/18 22:47	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 22:47	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 22:47	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 22:47	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 22:47	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 22:47	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 22:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		05/03/18 22:47	460-00-4	
Dibromofluoromethane (S)	109	%	67-130		1		05/03/18 22:47	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/03/18 22:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-4 **Lab ID: 40168375006** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 23:09	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 23:09	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 23:09	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 23:09	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 23:09	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 23:09	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 23:09	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 23:09	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 23:09	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 23:09	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 23:09	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 23:09	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 23:09	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 23:09	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 23:09	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 23:09	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 23:09	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 23:09	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 23:09	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 23:09	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 23:09	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 23:09	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 23:09	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 23:09	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 23:09	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 23:09	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	100-42-5	
Tetrachloroethene	29.1	ug/L	1.0	0.50	1		05/03/18 23:09	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-4 **Lab ID: 40168375006** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	108-88-3	
Trichloroethene	5.8	ug/L	1.0	0.33	1		05/03/18 23:09	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 23:09	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 23:09	75-01-4	
cis-1,2-Dichloroethene	0.52J	ug/L	1.0	0.26	1		05/03/18 23:09	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 23:09	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:09	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 23:09	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 23:09	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 23:09	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 23:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	83	%	61-130		1		05/03/18 23:09	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		05/03/18 23:09	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/03/18 23:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-1 **Lab ID: 40168375007** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 21:39	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 21:39	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 21:39	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 21:39	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 21:39	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 21:39	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 21:39	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 21:39	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 21:39	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 21:39	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 21:39	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 21:39	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 21:39	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 21:39	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 21:39	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 21:39	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 21:39	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 21:39	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 21:39	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 21:39	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 21:39	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 21:39	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 21:39	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 21:39	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 21:39	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 21:39	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	100-42-5	
Tetrachloroethene	3.9	ug/L	1.0	0.50	1		05/03/18 21:39	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-1 **Lab ID: 40168375007** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 21:39	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 21:39	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 21:39	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 21:39	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 21:39	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 21:39	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 21:39	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 21:39	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 21:39	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 21:39	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	61-130		1		05/03/18 21:39	460-00-4	
Dibromofluoromethane (S)	115	%	67-130		1		05/03/18 21:39	1868-53-7	
Toluene-d8 (S)	94	%	70-130		1		05/03/18 21:39	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-2 **Lab ID: 40168375008** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 23:32	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 23:32	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 23:32	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 23:32	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 23:32	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 23:32	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 23:32	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 23:32	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 23:32	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 23:32	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 23:32	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 23:32	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 23:32	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 23:32	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 23:32	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 23:32	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 23:32	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 23:32	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 23:32	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 23:32	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 23:32	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 23:32	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 23:32	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 23:32	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 23:32	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 23:32	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	100-42-5	
Tetrachloroethene	5.7	ug/L	1.0	0.50	1		05/03/18 23:32	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-2 **Lab ID: 40168375008** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 23:32	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 23:32	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 23:32	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 23:32	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 23:32	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:32	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 23:32	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 23:32	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 23:32	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 23:32	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		1		05/03/18 23:32	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		1		05/03/18 23:32	1868-53-7	
Toluene-d8 (S)	95	%	70-130		1		05/03/18 23:32	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-6 Lab ID: 40168375009 Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/03/18 23:55	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/03/18 23:55	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/03/18 23:55	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/03/18 23:55	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/03/18 23:55	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/03/18 23:55	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/03/18 23:55	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 23:55	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/03/18 23:55	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/03/18 23:55	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/03/18 23:55	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/03/18 23:55	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/03/18 23:55	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/03/18 23:55	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/03/18 23:55	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/03/18 23:55	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/03/18 23:55	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/03/18 23:55	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/03/18 23:55	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/03/18 23:55	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/03/18 23:55	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/03/18 23:55	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/03/18 23:55	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/03/18 23:55	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/03/18 23:55	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/03/18 23:55	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	100-42-5	
Tetrachloroethene	7.0	ug/L	1.0	0.50	1		05/03/18 23:55	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-6 **Lab ID: 40168375009** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/03/18 23:55	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/03/18 23:55	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/03/18 23:55	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 23:55	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/03/18 23:55	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/03/18 23:55	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/03/18 23:55	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/03/18 23:55	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/03/18 23:55	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/03/18 23:55	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		1		05/03/18 23:55	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		1		05/03/18 23:55	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/03/18 23:55	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-5 **Lab ID: 40168375010** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		05/04/18 00:17	630-20-6	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	71-55-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		05/04/18 00:17	79-34-5	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		05/04/18 00:17	79-00-5	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		05/04/18 00:17	75-34-3	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		05/04/18 00:17	75-35-4	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		05/04/18 00:17	563-58-6	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		05/04/18 00:17	87-61-6	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	96-18-4	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		05/04/18 00:17	120-82-1	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	95-63-6	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		05/04/18 00:17	96-12-8	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		05/04/18 00:17	106-93-4	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	95-50-1	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		05/04/18 00:17	107-06-2	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		05/04/18 00:17	78-87-5	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	108-67-8	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	541-73-1	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	142-28-9	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	106-46-7	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		05/04/18 00:17	594-20-7	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		05/04/18 00:17	106-43-4	
Benzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		05/04/18 00:17	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		05/04/18 00:17	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		05/04/18 00:17	74-83-9	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		05/04/18 00:17	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		05/04/18 00:17	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	74-87-3	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	124-48-1	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		05/04/18 00:17	74-95-3	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		05/04/18 00:17	75-71-8	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		05/04/18 00:17	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		05/04/18 00:17	98-82-8	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		05/04/18 00:17	1634-04-4	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		05/04/18 00:17	75-09-2	
Naphthalene	<2.5	ug/L	5.0	2.5	1		05/04/18 00:17	91-20-3	
Styrene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	100-42-5	
Tetrachloroethene	12.0	ug/L	1.0	0.50	1		05/04/18 00:17	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-5 **Lab ID: 40168375010** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	108-88-3	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		05/04/18 00:17	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		05/04/18 00:17	75-69-4	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		05/04/18 00:17	75-01-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/04/18 00:17	156-59-2	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	10061-01-5	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		05/04/18 00:17	179601-23-1	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	104-51-8	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	103-65-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	95-47-6	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		05/04/18 00:17	99-87-6	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		05/04/18 00:17	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		05/04/18 00:17	98-06-6	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		05/04/18 00:17	156-60-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		05/04/18 00:17	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	61-130		1		05/04/18 00:17	460-00-4	
Dibromofluoromethane (S)	112	%	67-130		1		05/04/18 00:17	1868-53-7	
Toluene-d8 (S)	93	%	70-130		1		05/04/18 00:17	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-3 **Lab ID: 40168375011** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		05/04/18 00:40	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	71-55-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		05/04/18 00:40	79-34-5	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		05/04/18 00:40	79-00-5	
1,1-Dichloroethane	<0.48	ug/L	2.0	0.48	2		05/04/18 00:40	75-34-3	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		05/04/18 00:40	75-35-4	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		05/04/18 00:40	563-58-6	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		05/04/18 00:40	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	96-18-4	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		05/04/18 00:40	120-82-1	
1,2,4-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	95-63-6	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		05/04/18 00:40	96-12-8	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		05/04/18 00:40	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	95-50-1	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		05/04/18 00:40	107-06-2	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		05/04/18 00:40	78-87-5	
1,3,5-Trimethylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	106-46-7	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		05/04/18 00:40	594-20-7	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	95-49-8	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		05/04/18 00:40	106-43-4	
Benzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		05/04/18 00:40	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		05/04/18 00:40	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		05/04/18 00:40	74-83-9	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		05/04/18 00:40	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		05/04/18 00:40	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	74-87-3	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	124-48-1	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		05/04/18 00:40	74-95-3	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		05/04/18 00:40	75-71-8	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	108-20-3	
Ethylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		05/04/18 00:40	87-68-3	
Isopropylbenzene (Cumene)	<0.29	ug/L	2.0	0.29	2		05/04/18 00:40	98-82-8	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		05/04/18 00:40	1634-04-4	
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		05/04/18 00:40	75-09-2	
Naphthalene	<5.0	ug/L	10.0	5.0	2		05/04/18 00:40	91-20-3	
Styrene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	100-42-5	
Tetrachloroethene	146	ug/L	2.0	1.0	2		05/04/18 00:40	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-3 **Lab ID: 40168375011** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	108-88-3	
Trichloroethene	5.9	ug/L	2.0	0.66	2		05/04/18 00:40	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		05/04/18 00:40	75-69-4	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		05/04/18 00:40	75-01-4	
cis-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		05/04/18 00:40	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	10061-01-5	
m&p-Xylene	<2.0	ug/L	4.0	2.0	2		05/04/18 00:40	179601-23-1	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	104-51-8	
n-Propylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	103-65-1	
o-Xylene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		05/04/18 00:40	99-87-6	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		05/04/18 00:40	135-98-8	
tert-Butylbenzene	<0.36	ug/L	2.0	0.36	2		05/04/18 00:40	98-06-6	
trans-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		05/04/18 00:40	156-60-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		05/04/18 00:40	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	61-130		2		05/04/18 00:40	460-00-4	
Dibromofluoromethane (S)	113	%	67-130		2		05/04/18 00:40	1868-53-7	
Toluene-d8 (S)	93	%	70-130		2		05/04/18 00:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-4 Lab ID: 40168375012 Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.36	ug/L	2.0	0.36	2		05/04/18 01:02	630-20-6	
1,1,1-Trichloroethane	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	71-55-6	
1,1,2,2-Tetrachloroethane	<0.50	ug/L	2.0	0.50	2		05/04/18 01:02	79-34-5	
1,1,2-Trichloroethane	<0.39	ug/L	2.0	0.39	2		05/04/18 01:02	79-00-5	
1,1-Dichloroethane	<0.48	ug/L	2.0	0.48	2		05/04/18 01:02	75-34-3	
1,1-Dichloroethene	<0.82	ug/L	2.0	0.82	2		05/04/18 01:02	75-35-4	
1,1-Dichloropropene	<0.88	ug/L	2.0	0.88	2		05/04/18 01:02	563-58-6	
1,2,3-Trichlorobenzene	<4.3	ug/L	10.0	4.3	2		05/04/18 01:02	87-61-6	
1,2,3-Trichloropropane	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	96-18-4	
1,2,4-Trichlorobenzene	<4.4	ug/L	10.0	4.4	2		05/04/18 01:02	120-82-1	
1,2,4-Trimethylbenzene	8.8	ug/L	2.0	1.0	2		05/04/18 01:02	95-63-6	
1,2-Dibromo-3-chloropropane	<4.3	ug/L	10.0	4.3	2		05/04/18 01:02	96-12-8	
1,2-Dibromoethane (EDB)	<0.36	ug/L	2.0	0.36	2		05/04/18 01:02	106-93-4	
1,2-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	95-50-1	
1,2-Dichloroethane	<0.34	ug/L	2.0	0.34	2		05/04/18 01:02	107-06-2	
1,2-Dichloropropane	<0.47	ug/L	2.0	0.47	2		05/04/18 01:02	78-87-5	
1,3,5-Trimethylbenzene	3.8	ug/L	2.0	1.0	2		05/04/18 01:02	108-67-8	
1,3-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	541-73-1	
1,3-Dichloropropane	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	142-28-9	
1,4-Dichlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	106-46-7	
2,2-Dichloropropane	<0.97	ug/L	2.0	0.97	2		05/04/18 01:02	594-20-7	
2-Chlorotoluene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	95-49-8	
4-Chlorotoluene	<0.43	ug/L	2.0	0.43	2		05/04/18 01:02	106-43-4	
Benzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	71-43-2	
Bromobenzene	<0.46	ug/L	2.0	0.46	2		05/04/18 01:02	108-86-1	
Bromochloromethane	<0.68	ug/L	2.0	0.68	2		05/04/18 01:02	74-97-5	
Bromodichloromethane	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	75-27-4	
Bromoform	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	75-25-2	
Bromomethane	<4.9	ug/L	10.0	4.9	2		05/04/18 01:02	74-83-9	
Carbon tetrachloride	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	56-23-5	
Chlorobenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	108-90-7	
Chloroethane	<0.75	ug/L	2.0	0.75	2		05/04/18 01:02	75-00-3	
Chloroform	<5.0	ug/L	10.0	5.0	2		05/04/18 01:02	67-66-3	
Chloromethane	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	74-87-3	
Dibromochloromethane	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	124-48-1	
Dibromomethane	<0.85	ug/L	2.0	0.85	2		05/04/18 01:02	74-95-3	
Dichlorodifluoromethane	<0.45	ug/L	2.0	0.45	2		05/04/18 01:02	75-71-8	
Diisopropyl ether	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	108-20-3	
Ethylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	100-41-4	
Hexachloro-1,3-butadiene	<4.2	ug/L	10.0	4.2	2		05/04/18 01:02	87-68-3	
Isopropylbenzene (Cumene)	1.0J	ug/L	2.0	0.29	2		05/04/18 01:02	98-82-8	
Methyl-tert-butyl ether	<0.35	ug/L	2.0	0.35	2		05/04/18 01:02	1634-04-4	
Methylene Chloride	<0.47	ug/L	2.0	0.47	2		05/04/18 01:02	75-09-2	
Naphthalene	<5.0	ug/L	10.0	5.0	2		05/04/18 01:02	91-20-3	
Styrene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	100-42-5	
Tetrachloroethene	185	ug/L	2.0	1.0	2		05/04/18 01:02	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: MW-4 **Lab ID: 40168375012** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	108-88-3	
Trichloroethene	25.8	ug/L	2.0	0.66	2		05/04/18 01:02	79-01-6	
Trichlorofluoromethane	<0.37	ug/L	2.0	0.37	2		05/04/18 01:02	75-69-4	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		05/04/18 01:02	75-01-4	
cis-1,2-Dichloroethene	2.5	ug/L	2.0	0.51	2		05/04/18 01:02	156-59-2	
cis-1,3-Dichloropropene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	10061-01-5	
m&p-Xylene	<2.0	ug/L	4.0	2.0	2		05/04/18 01:02	179601-23-1	
n-Butylbenzene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	104-51-8	
n-Propylbenzene	2.0J	ug/L	2.0	1.0	2		05/04/18 01:02	103-65-1	
o-Xylene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	95-47-6	
p-Isopropyltoluene	<1.0	ug/L	2.0	1.0	2		05/04/18 01:02	99-87-6	
sec-Butylbenzene	<4.4	ug/L	10.0	4.4	2		05/04/18 01:02	135-98-8	
tert-Butylbenzene	0.56J	ug/L	2.0	0.36	2		05/04/18 01:02	98-06-6	
trans-1,2-Dichloroethene	<0.51	ug/L	2.0	0.51	2		05/04/18 01:02	156-60-5	
trans-1,3-Dichloropropene	<0.46	ug/L	2.0	0.46	2		05/04/18 01:02	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	61-130		2		05/04/18 01:02	460-00-4	
Dibromofluoromethane (S)	114	%	67-130		2		05/04/18 01:02	1868-53-7	
Toluene-d8 (S)	92	%	70-130		2		05/04/18 01:02	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-1 **Lab ID: 40168375013** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.72	ug/L	4.0	0.72	4		05/04/18 07:50	630-20-6	
1,1,1-Trichloroethane	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	71-55-6	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	4.0	1.0	4		05/04/18 07:50	79-34-5	
1,1,2-Trichloroethane	<0.79	ug/L	4.0	0.79	4		05/04/18 07:50	79-00-5	
1,1-Dichloroethane	116	ug/L	4.0	0.97	4		05/04/18 07:50	75-34-3	
1,1-Dichloroethene	5.1	ug/L	4.0	1.6	4		05/04/18 07:50	75-35-4	
1,1-Dichloropropene	<1.8	ug/L	4.0	1.8	4		05/04/18 07:50	563-58-6	
1,2,3-Trichlorobenzene	<8.5	ug/L	20.0	8.5	4		05/04/18 07:50	87-61-6	
1,2,3-Trichloropropane	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	96-18-4	
1,2,4-Trichlorobenzene	<8.8	ug/L	20.0	8.8	4		05/04/18 07:50	120-82-1	
1,2,4-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	95-63-6	
1,2-Dibromo-3-chloropropane	<8.7	ug/L	20.0	8.7	4		05/04/18 07:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.71	ug/L	4.0	0.71	4		05/04/18 07:50	106-93-4	
1,2-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	95-50-1	
1,2-Dichloroethane	<0.67	ug/L	4.0	0.67	4		05/04/18 07:50	107-06-2	
1,2-Dichloropropane	259	ug/L	4.0	0.93	4		05/04/18 07:50	78-87-5	
1,3,5-Trimethylbenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	108-67-8	
1,3-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	541-73-1	
1,3-Dichloropropane	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	142-28-9	
1,4-Dichlorobenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	106-46-7	
2,2-Dichloropropane	<1.9	ug/L	4.0	1.9	4		05/04/18 07:50	594-20-7	
2-Chlorotoluene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	95-49-8	
4-Chlorotoluene	<0.85	ug/L	4.0	0.85	4		05/04/18 07:50	106-43-4	
Benzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	71-43-2	
Bromobenzene	<0.92	ug/L	4.0	0.92	4		05/04/18 07:50	108-86-1	
Bromochloromethane	<1.4	ug/L	4.0	1.4	4		05/04/18 07:50	74-97-5	
Bromodichloromethane	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	75-27-4	
Bromoform	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	75-25-2	
Bromomethane	<9.7	ug/L	20.0	9.7	4		05/04/18 07:50	74-83-9	
Carbon tetrachloride	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	56-23-5	
Chlorobenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	108-90-7	
Chloroethane	<1.5	ug/L	4.0	1.5	4		05/04/18 07:50	75-00-3	
Chloroform	<10.0	ug/L	20.0	10.0	4		05/04/18 07:50	67-66-3	
Chloromethane	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	74-87-3	
Dibromochloromethane	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	124-48-1	
Dibromomethane	<1.7	ug/L	4.0	1.7	4		05/04/18 07:50	74-95-3	
Dichlorodifluoromethane	<0.90	ug/L	4.0	0.90	4		05/04/18 07:50	75-71-8	
Diisopropyl ether	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	108-20-3	
Ethylbenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	100-41-4	
Hexachloro-1,3-butadiene	<8.4	ug/L	20.0	8.4	4		05/04/18 07:50	87-68-3	
Isopropylbenzene (Cumene)	<0.57	ug/L	4.0	0.57	4		05/04/18 07:50	98-82-8	
Methyl-tert-butyl ether	<0.70	ug/L	4.0	0.70	4		05/04/18 07:50	1634-04-4	
Methylene Chloride	<0.93	ug/L	4.0	0.93	4		05/04/18 07:50	75-09-2	
Naphthalene	<10.0	ug/L	20.0	10.0	4		05/04/18 07:50	91-20-3	
Styrene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	100-42-5	
Tetrachloroethene	478	ug/L	4.0	2.0	4		05/04/18 07:50	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Sample: PZ-1 **Lab ID: 40168375013** Collected: 04/26/18 00:00 Received: 05/02/18 09:25 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	108-88-3	
Trichloroethene	173	ug/L	4.0	1.3	4		05/04/18 07:50	79-01-6	
Trichlorofluoromethane	<0.74	ug/L	4.0	0.74	4		05/04/18 07:50	75-69-4	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		05/04/18 07:50	75-01-4	
cis-1,2-Dichloroethene	9.0	ug/L	4.0	1.0	4		05/04/18 07:50	156-59-2	
cis-1,3-Dichloropropene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	10061-01-5	
m&p-Xylene	<4.0	ug/L	8.0	4.0	4		05/04/18 07:50	179601-23-1	
n-Butylbenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	104-51-8	
n-Propylbenzene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	103-65-1	
o-Xylene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	95-47-6	
p-Isopropyltoluene	<2.0	ug/L	4.0	2.0	4		05/04/18 07:50	99-87-6	
sec-Butylbenzene	<8.7	ug/L	20.0	8.7	4		05/04/18 07:50	135-98-8	
tert-Butylbenzene	2.7J	ug/L	4.0	0.72	4		05/04/18 07:50	98-06-6	
trans-1,2-Dichloroethene	1.9J	ug/L	4.0	1.0	4		05/04/18 07:50	156-60-5	1q
trans-1,3-Dichloropropene	<0.92	ug/L	4.0	0.92	4		05/04/18 07:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	86	%	61-130		4		05/04/18 07:50	460-00-4	
Dibromofluoromethane (S)	111	%	67-130		4		05/04/18 07:50	1868-53-7	
Toluene-d8 (S)	96	%	70-130		4		05/04/18 07:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

METHOD BLANK: 1682898

Matrix: Water

Associated Lab Samples: 40168375001, 40168375002, 40168375003, 40168375004, 40168375005, 40168375006, 40168375007, 40168375008, 40168375009, 40168375010, 40168375011, 40168375012, 40168375013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.50	1.0	05/03/18 15:17	
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	05/03/18 15:17	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	05/03/18 15:17	
m&p-Xylene	ug/L	<1.0	2.0	05/03/18 15:17	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	05/03/18 15:17	
Methylene Chloride	ug/L	<0.23	1.0	05/03/18 15:17	
n-Butylbenzene	ug/L	<0.50	1.0	05/03/18 15:17	
n-Propylbenzene	ug/L	<0.50	1.0	05/03/18 15:17	
Naphthalene	ug/L	<2.5	5.0	05/03/18 15:17	
o-Xylene	ug/L	<0.50	1.0	05/03/18 15:17	
p-Isopropyltoluene	ug/L	<0.50	1.0	05/03/18 15:17	
sec-Butylbenzene	ug/L	<2.2	5.0	05/03/18 15:17	
Styrene	ug/L	<0.50	1.0	05/03/18 15:17	
tert-Butylbenzene	ug/L	<0.18	1.0	05/03/18 15:17	
Tetrachloroethene	ug/L	<0.50	1.0	05/03/18 15:17	
Toluene	ug/L	<0.50	1.0	05/03/18 15:17	
trans-1,2-Dichloroethene	ug/L	0.32J	1.0	05/03/18 15:17	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	05/03/18 15:17	
Trichloroethene	ug/L	<0.33	1.0	05/03/18 15:17	
Trichlorofluoromethane	ug/L	<0.18	1.0	05/03/18 15:17	
Vinyl chloride	ug/L	<0.18	1.0	05/03/18 15:17	
4-Bromofluorobenzene (S)	%	85	61-130	05/03/18 15:17	
Dibromofluoromethane (S)	%	107	67-130	05/03/18 15:17	
Toluene-d8 (S)	%	95	70-130	05/03/18 15:17	

LABORATORY CONTROL SAMPLE: 1682899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.5	103	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	53.4	107	70-130	
1,1,2-Trichloroethane	ug/L	50	56.6	113	70-130	
1,1-Dichloroethane	ug/L	50	54.6	109	71-132	
1,1-Dichloroethene	ug/L	50	51.8	104	75-130	
1,2,4-Trichlorobenzene	ug/L	50	53.1	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	52.6	105	63-123	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	54.0	108	70-130	
1,2-Dichloroethane	ug/L	50	50.1	100	70-131	
1,2-Dichloropropane	ug/L	50	58.9	118	80-120	
1,3-Dichlorobenzene	ug/L	50	50.9	102	70-130	
1,4-Dichlorobenzene	ug/L	50	52.3	105	70-130	
Benzene	ug/L	50	53.5	107	73-145	
Bromodichloromethane	ug/L	50	53.1	106	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.

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40168375

LABORATORY CONTROL SAMPLE: 1682899

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	54.7	109	67-130	
Bromomethane	ug/L	50	40.2	80	26-128	
Carbon tetrachloride	ug/L	50	51.2	102	70-133	
Chlorobenzene	ug/L	50	54.9	110	70-130	
Chloroethane	ug/L	50	46.8	94	58-120	
Chloroform	ug/L	50	52.6	105	80-121	
Chloromethane	ug/L	50	35.4	71	40-127	
cis-1,2-Dichloroethene	ug/L	50	51.1	102	70-130	
cis-1,3-Dichloropropene	ug/L	50	54.8	110	70-130	
Dibromochloromethane	ug/L	50	52.9	106	70-130	
Dichlorodifluoromethane	ug/L	50	22.3	45	20-135	
Ethylbenzene	ug/L	50	57.7	115	87-129	
Isopropylbenzene (Cumene)	ug/L	50	62.4	125	70-130	
m&p-Xylene	ug/L	100	124	124	70-130	
Methyl-tert-butyl ether	ug/L	50	50.3	101	66-143	
Methylene Chloride	ug/L	50	51.5	103	70-130	
o-Xylene	ug/L	50	61.1	122	70-130	
Styrene	ug/L	50	57.6	115	70-130	
Tetrachloroethene	ug/L	50	51.9	104	70-130	
Toluene	ug/L	50	54.8	110	82-130	
trans-1,2-Dichloroethene	ug/L	50	49.9	100	75-132	
trans-1,3-Dichloropropene	ug/L	50	53.7	107	70-130	
Trichloroethene	ug/L	50	52.8	106	70-130	
Trichlorofluoromethane	ug/L	50	50.0	100	76-133	
Vinyl chloride	ug/L	50	40.5	81	57-136	
4-Bromofluorobenzene (S)	%			103	61-130	
Dibromofluoromethane (S)	%			96	67-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1683604 1683605

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40168318001 Result	Spike Conc.	Spike Conc.	MS Result							MSD Result
1,1,1-Trichloroethane	ug/L	<0.50	50	50	50.4	50.6	101	101	70-134	0	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	54.5	54.4	109	109	70-130	0	20	
1,1,2-Trichloroethane	ug/L	<0.20	50	50	57.0	54.6	114	109	70-130	4	20	
1,1-Dichloroethane	ug/L	<0.24	50	50	52.8	52.6	106	105	71-133	0	20	
1,1-Dichloroethene	ug/L	<0.41	50	50	51.2	51.1	102	102	75-136	0	20	
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	52.0	53.5	104	107	70-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	53.6	53.1	107	106	63-123	1	20	
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	53.7	52.6	107	105	70-130	2	20	
1,2-Dichlorobenzene	ug/L	<0.50	50	50	52.1	53.7	104	107	70-130	3	20	
1,2-Dichloroethane	ug/L	<0.17	50	50	48.9	48.0	98	96	70-131	2	20	
1,2-Dichloropropane	ug/L	<0.23	50	50	56.0	57.0	112	114	80-120	2	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

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Parameter	Units	40168318001		1683604		1683605		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/L	<0.50	50	50	49.0	50.0	98	100	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.50	50	50	50.6	52.1	101	104	70-130	3	20		
Benzene	ug/L	<0.50	50	50	52.5	52.2	105	104	73-145	1	20		
Bromodichloromethane	ug/L	<0.50	50	50	52.5	51.7	105	103	70-130	2	20		
Bromoform	ug/L	<0.50	50	50	53.3	53.6	107	107	67-130	0	20		
Bromomethane	ug/L	<2.4	50	50	41.5	48.0	83	96	26-129	14	20		
Carbon tetrachloride	ug/L	<0.50	50	50	50.8	51.2	102	102	70-134	1	20		
Chlorobenzene	ug/L	<0.50	50	50	53.8	53.3	108	107	70-130	1	20		
Chloroethane	ug/L	<0.37	50	50	44.3	46.9	89	94	58-120	6	20		
Chloroform	ug/L	<2.5	50	50	47.9	50.7	96	101	80-121	6	20		
Chloromethane	ug/L	<0.50	50	50	35.1	34.6	70	69	40-128	2	20		
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	47.4	47.9	95	96	70-130	1	20		
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	53.3	54.7	107	109	70-130	3	20		
Dibromochloromethane	ug/L	<0.50	50	50	53.7	52.0	107	104	70-130	3	20		
Dichlorodifluoromethane	ug/L	<0.22	50	50	20.7	22.9	41	46	20-146	10	20		
Ethylbenzene	ug/L	<0.50	50	50	56.7	56.9	113	114	87-129	0	20		
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	61.9	61.1	124	122	70-130	1	20		
m&p-Xylene	ug/L	<1.0	100	100	122	120	122	120	70-130	1	20		
Methyl-tert-butyl ether	ug/L	<0.17	50	50	50.3	49.3	101	99	66-143	2	20		
Methylene Chloride	ug/L	<0.23	50	50	49.8	49.0	100	98	70-130	1	20		
o-Xylene	ug/L	<0.50	50	50	60.1	59.3	120	119	70-130	1	20		
Styrene	ug/L	<0.50	50	50	56.6	55.6	113	111	70-130	2	20		
Tetrachloroethene	ug/L	<0.50	50	50	52.1	51.0	104	102	70-130	2	20		
Toluene	ug/L	<0.50	50	50	54.5	54.3	109	109	82-131	0	20		
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	50.8	49.4	102	99	75-135	3	20		
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	52.9	52.0	106	104	70-130	2	20		
Trichloroethene	ug/L	<0.33	50	50	52.3	53.0	105	106	70-130	1	20		
Trichlorofluoromethane	ug/L	<0.18	50	50	48.8	49.5	98	99	76-150	2	20		
Vinyl chloride	ug/L	<0.18	50	50	43.4	43.3	87	87	56-143	0	20		
4-Bromofluorobenzene (S)	%						106	102	61-130				
Dibromofluoromethane (S)	%						99	96	67-130				
Toluene-d8 (S)	%						101	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

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QUALIFIERS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

ANALYTE QUALIFIERS

1q Analyte was detected in the associated method blank. Sample was analyzed with a second method blank that was non-detect. Due to limitations of the LIMS system, only initial method blank results are reported.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40168375

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40168375001	MW-8	EPA 8260	287648		
40168375002	MW-7	EPA 8260	287648		
40168375003	MW-9	EPA 8260	287648		
40168375004	PZ-2	EPA 8260	287648		
40168375005	PZ-3	EPA 8260	287648		
40168375006	PZ-4	EPA 8260	287648		
40168375007	MW-1	EPA 8260	287648		
40168375008	MW-2	EPA 8260	287648		
40168375009	MW-6	EPA 8260	287648		
40168375010	MW-5	EPA 8260	287648		
40168375011	MW-3	EPA 8260	287648		
40168375012	MW-4	EPA 8260	287648		
40168375013	PZ-1	EPA 8260	287648		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)



CHAIN OF CUSTODY

A=Name B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

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

FILTERED? (YES/NO)
 PRESERVATION (CODE)*

V/I/N	Pick Letter
N	B

Quote #:
Mail To Contact:
Mail To Company:
Mail To Address: JBantley@readyearth.com
Invoice To Contact:
Invoice To Company:
Invoice To Address:
Invoice To Phone:
CLIENT COMMENTS
LAB COMMENTS (Lab Use Only)

Company Name: **READY EARTH**
 Branch/Location:
 Project Contact: **JASON BANTLEY**
 Phone: **262-522-3520**
 Project Number: **11-0604**
 Project Name: **Block Cleanups**
 Project State: **WI**
 Sampled By (Print): **JASON E. BANTLEY**
 Sampled By (Sign): *[Signature]*
 PO #:


Data Package Options (billable)
 EPA Level III
 EPA Level IV
MS/MSD (billable)
 On your sample
 NOT needed on your sample

Matrix Codes
 A = Air
 B = Biotra
 C = Charcoal
 O = Oil
 S = Soil
 Sl = Sludge
 W = Water
 DW = Drinking Water
 GW = Ground Water
 SW = Surface Water
 WP = Waste Water

PAGE LAB #	CLIENT FIELD ID	DATE	TIME	MATRIX
001	MW-8	4-26		SW
002	MW-7			
003	MW-9			
004	P2-2			
005	P2-3			
006	P2-4			
007	MW-1			
008	MW-2			
009	MW-6			
010	MW-5			
011	MW-3			
012	MW-4			
013	P2-1			

Relinquished By:	Date/Time:	Received By:	Date/Time:
<i>[Signature]</i>	5-1-18 9:05	<i>[Signature]</i>	5/1/18 9:05
<i>[Signature]</i>	5/2/18 1500	<i>[Signature]</i>	5/2/18 9:25
<i>[Signature]</i>	5/2/18 0925	<i>[Signature]</i>	5/2/18 0925

PAGE Project No. **40168375**
 Receipt Temp = **28.1** °C
 Sample Receipt pH **OK / Adjusted**
 Cooler Custody Seal Present / Not Present
 Intact / Not Intact

 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 #:

Client Name: Ready Earth

WO#: **40168375**

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - NA Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: _____ / Corr: (20)

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

Person examining contents:
 Date: 5/2/18
 Initials: OW

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>no times</u> <u>OW 5/2/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
 Person Contacted: _____ Date/Time: _____
 Comments/ Resolution: _____

Project Manager Review: _____

Date: 5/2/18

April 13, 2018

Jason Bartley
ReadyEarth Consulting, Inc.
P.O. Box 365
Pewaukee, WI 53072

RE: Project: 11-0604 BLOCK SYSTEM CLEANERS
Pace Project No.: 40167109

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on April 06, 2018. 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

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

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SAMPLE SUMMARY

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40167109001	MW-9:4-6	Solid	04/02/18 00:00	04/06/18 15:54
40167109002	MW-9:8-10	Solid	04/02/18 00:00	04/06/18 15:54
40167109003	PZ-2:6-8	Solid	04/02/18 00:00	04/06/18 15:54
40167109004	PZ-4:4-6	Solid	04/04/18 00:00	04/06/18 15:57
40167109005	PZ-4:8-10	Solid	04/04/18 00:00	04/06/18 15:57
40167109006	PZ-4:12-14	Solid	04/04/18 00:00	04/06/18 15:57
40167109007	PZ-4:18-20	Solid	04/04/18 00:00	04/06/18 15:57

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SAMPLE ANALYTE COUNT

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40167109001	MW-9:4-6	EPA 8260	SMT	64
		ASTM D2974-87	AH	1
40167109002	MW-9:8-10	EPA 8260	SMT	64
		ASTM D2974-87	AH	1
40167109003	PZ-2:6-8	EPA 8260	SMT	64
		ASTM D2974-87	AH	1
40167109004	PZ-4:4-6	EPA 8260	SMT	64
		ASTM D2974-87	AH	1
40167109005	PZ-4:8-10	EPA 8260	SMT	64
		ASTM D2974-87	AH	1
40167109006	PZ-4:12-14	EPA 8260	SMT	64
		ASTM D2974-87	AH	1
40167109007	PZ-4:18-20	EPA 8260	SMT	64
		ASTM D2974-87	AH	1

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: MW-9:4-6 Lab ID: 40167109001 Collected: 04/02/18 00:00 Received: 04/06/18 15:54 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 17:13	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 17:13	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 17:13	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 17:13	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 17:13	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 17:13	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	100-42-5	W

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: MW-9:4-6 **Lab ID: 40167109001** Collected: 04/02/18 00:00 Received: 04/06/18 15:54 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 17:13	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:13	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	96	%	68-130		1	04/09/18 08:15	04/09/18 17:13	1868-53-7	
Toluene-d8 (S)	87	%	68-149		1	04/09/18 08:15	04/09/18 17:13	2037-26-5	
4-Bromofluorobenzene (S)	76	%	58-141		1	04/09/18 08:15	04/09/18 17:13	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	4.8	%	0.10	0.10	1		04/12/18 16:01		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: MW-9:8-10 **Lab ID: 40167109002** Collected: 04/02/18 00:00 Received: 04/06/18 15:54 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 17:36	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 17:36	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 17:36	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 17:36	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 17:36	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 17:36	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	100-42-5	W

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: MW-9:8-10 **Lab ID: 40167109002** Collected: 04/02/18 00:00 Received: 04/06/18 15:54 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 17:36	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:36	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	68-130		1	04/09/18 08:15	04/09/18 17:36	1868-53-7	
Toluene-d8 (S)	90	%	68-149		1	04/09/18 08:15	04/09/18 17:36	2037-26-5	
4-Bromofluorobenzene (S)	82	%	58-141		1	04/09/18 08:15	04/09/18 17:36	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.3	%	0.10	0.10	1		04/12/18 16:15		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-2:6-8 **Lab ID: 40167109003** Collected: 04/02/18 00:00 Received: 04/06/18 15:54 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 17:59	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 17:59	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 17:59	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 17:59	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 17:59	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 17:59	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-2:6-8 **Lab ID: 40167109003** Collected: 04/02/18 00:00 Received: 04/06/18 15:54 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 17:59	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 17:59	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	68-130		1	04/09/18 08:15	04/09/18 17:59	1868-53-7	
Toluene-d8 (S)	91	%	68-149		1	04/09/18 08:15	04/09/18 17:59	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		1	04/09/18 08:15	04/09/18 17:59	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	7.6	%	0.10	0.10	1		04/12/18 16:15		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:4-6 **Lab ID: 40167109004** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 18:22	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 18:22	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 18:22	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 18:22	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 18:22	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 18:22	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	100-42-5	W

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:4-6 **Lab ID: 40167109004** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	42.1J	ug/kg	68.9	28.7	1	04/09/18 08:15	04/09/18 18:22	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 18:22	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:22	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	105	%	68-130		1	04/09/18 08:15	04/09/18 18:22	1868-53-7	
Toluene-d8 (S)	98	%	68-149		1	04/09/18 08:15	04/09/18 18:22	2037-26-5	
4-Bromofluorobenzene (S)	86	%	58-141		1	04/09/18 08:15	04/09/18 18:22	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	12.9	%	0.10	0.10	1		04/12/18 16:16		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: **PZ-4:8-10** Lab ID: **40167109005** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 18:45	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 18:45	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 18:45	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 18:45	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 18:45	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 18:45	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	100-42-5	W

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:8-10 **Lab ID: 40167109005** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 18:45	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 18:45	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	109	%	68-130		1	04/09/18 08:15	04/09/18 18:45	1868-53-7	
Toluene-d8 (S)	98	%	68-149		1	04/09/18 08:15	04/09/18 18:45	2037-26-5	
4-Bromofluorobenzene (S)	88	%	58-141		1	04/09/18 08:15	04/09/18 18:45	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.5	%	0.10	0.10	1		04/12/18 16:16		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:12-14 **Lab ID: 40167109006** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 19:08	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 19:08	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 19:08	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 19:08	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 19:08	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 19:08	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	100-42-5	W

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:12-14 **Lab ID: 40167109006** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 19:08	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:08	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	68-130		1	04/09/18 08:15	04/09/18 19:08	1868-53-7	
Toluene-d8 (S)	92	%	68-149		1	04/09/18 08:15	04/09/18 19:08	2037-26-5	
4-Bromofluorobenzene (S)	81	%	58-141		1	04/09/18 08:15	04/09/18 19:08	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.2	%	0.10	0.10	1		04/12/18 16:16		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:18-20 **Lab ID: 40167109007** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/09/18 08:15	04/09/18 19:32	120-82-1	L2,W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/09/18 08:15	04/09/18 19:32	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/09/18 08:15	04/09/18 19:32	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/09/18 08:15	04/09/18 19:32	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/09/18 08:15	04/09/18 19:32	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/09/18 08:15	04/09/18 19:32	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Sample: PZ-4:18-20 **Lab ID: 40167109007** Collected: 04/04/18 00:00 Received: 04/06/18 15:57 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/09/18 08:15	04/09/18 19:32	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/09/18 08:15	04/09/18 19:32	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	99	%	68-130		1	04/09/18 08:15	04/09/18 19:32	1868-53-7	
Toluene-d8 (S)	89	%	68-149		1	04/09/18 08:15	04/09/18 19:32	2037-26-5	
4-Bromofluorobenzene (S)	78	%	58-141		1	04/09/18 08:15	04/09/18 19:32	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	13.1	%	0.10	0.10	1		04/12/18 16:16		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

QC Batch: 285509 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40167109001, 40167109002, 40167109003, 40167109004, 40167109005, 40167109006, 40167109007

METHOD BLANK: 1670809 Matrix: Solid
 Associated Lab Samples: 40167109001, 40167109002, 40167109003, 40167109004, 40167109005, 40167109006, 40167109007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/09/18 10:14	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/09/18 10:14	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/09/18 10:14	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/09/18 10:14	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/09/18 10:14	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/09/18 10:14	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/09/18 10:14	
1,2,3-Trichlorobenzene	ug/kg	24.8J	50.0	04/09/18 10:14	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/09/18 10:14	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/09/18 10:14	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/09/18 10:14	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/09/18 10:14	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/09/18 10:14	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/09/18 10:14	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/09/18 10:14	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/09/18 10:14	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/09/18 10:14	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/09/18 10:14	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/09/18 10:14	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/09/18 10:14	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/09/18 10:14	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/09/18 10:14	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/09/18 10:14	
Benzene	ug/kg	<9.2	20.0	04/09/18 10:14	
Bromobenzene	ug/kg	<20.6	50.0	04/09/18 10:14	
Bromochloromethane	ug/kg	<21.4	50.0	04/09/18 10:14	
Bromodichloromethane	ug/kg	<9.8	50.0	04/09/18 10:14	
Bromoform	ug/kg	<19.8	50.0	04/09/18 10:14	
Bromomethane	ug/kg	<69.9	250	04/09/18 10:14	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/09/18 10:14	
Chlorobenzene	ug/kg	<14.8	50.0	04/09/18 10:14	
Chloroethane	ug/kg	<67.0	250	04/09/18 10:14	
Chloroform	ug/kg	<46.4	250	04/09/18 10:14	
Chloromethane	ug/kg	<20.4	50.0	04/09/18 10:14	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/09/18 10:14	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/09/18 10:14	
Dibromochloromethane	ug/kg	<17.9	50.0	04/09/18 10:14	
Dibromomethane	ug/kg	<19.3	50.0	04/09/18 10:14	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/09/18 10:14	
Diisopropyl ether	ug/kg	<17.7	50.0	04/09/18 10:14	
Ethylbenzene	ug/kg	<12.4	50.0	04/09/18 10:14	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

METHOD BLANK: 1670809

Matrix: Solid

Associated Lab Samples: 40167109001, 40167109002, 40167109003, 40167109004, 40167109005, 40167109006, 40167109007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	31.8J	50.0	04/09/18 10:14	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/09/18 10:14	
m&p-Xylene	ug/kg	<34.4	100	04/09/18 10:14	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/09/18 10:14	
Methylene Chloride	ug/kg	<16.2	50.0	04/09/18 10:14	
n-Butylbenzene	ug/kg	11.5J	50.0	04/09/18 10:14	
n-Propylbenzene	ug/kg	<11.6	50.0	04/09/18 10:14	
Naphthalene	ug/kg	<40.0	250	04/09/18 10:14	
o-Xylene	ug/kg	<14.0	50.0	04/09/18 10:14	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/09/18 10:14	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/09/18 10:14	
Styrene	ug/kg	<9.0	50.0	04/09/18 10:14	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/09/18 10:14	
Tetrachloroethene	ug/kg	<12.9	50.0	04/09/18 10:14	
Toluene	ug/kg	<11.2	50.0	04/09/18 10:14	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/09/18 10:14	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/09/18 10:14	
Trichloroethene	ug/kg	<23.6	50.0	04/09/18 10:14	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/09/18 10:14	
Vinyl chloride	ug/kg	<21.1	50.0	04/09/18 10:14	
4-Bromofluorobenzene (S)	%	82	58-141	04/09/18 10:14	
Dibromofluoromethane (S)	%	99	68-130	04/09/18 10:14	
Toluene-d8 (S)	%	90	68-149	04/09/18 10:14	

LABORATORY CONTROL SAMPLE: 1670810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2590	104	61-122	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2450	98	73-130	
1,1,2-Trichloroethane	ug/kg	2500	2390	96	70-130	
1,1-Dichloroethane	ug/kg	2500	2730	109	63-124	
1,1-Dichloroethene	ug/kg	2500	2670	107	53-117	
1,2,4-Trichlorobenzene	ug/kg	2500	1800	72	78-130	L2
1,2-Dibromo-3-chloropropane	ug/kg	2500	1950	78	49-140	
1,2-Dibromoethane (EDB)	ug/kg	2500	2550	102	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2300	92	70-130	
1,2-Dichloroethane	ug/kg	2500	2620	105	56-135	
1,2-Dichloropropane	ug/kg	2500	2460	98	77-122	
1,3-Dichlorobenzene	ug/kg	2500	2280	91	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
Benzene	ug/kg	2500	2560	102	66-130	
Bromodichloromethane	ug/kg	2500	2520	101	62-135	
Bromoform	ug/kg	2500	2130	85	68-130	
Bromomethane	ug/kg	2500	2540	102	29-137	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

LABORATORY CONTROL SAMPLE: 1670810

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2590	104	57-130	
Chlorobenzene	ug/kg	2500	2410	96	70-130	
Chloroethane	ug/kg	2500	2860	114	36-144	
Chloroform	ug/kg	2500	2550	102	69-115	
Chloromethane	ug/kg	2500	2470	99	32-126	
cis-1,2-Dichloroethene	ug/kg	2500	2510	100	65-130	
cis-1,3-Dichloropropene	ug/kg	2500	2530	101	70-130	
Dibromochloromethane	ug/kg	2500	2360	94	70-130	
Dichlorodifluoromethane	ug/kg	2500	2000	80	10-99	
Ethylbenzene	ug/kg	2500	2330	93	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2300	92	70-130	
m&p-Xylene	ug/kg	5000	4680	94	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2550	102	63-134	
Methylene Chloride	ug/kg	2500	2640	105	56-123	
o-Xylene	ug/kg	2500	2340	93	70-130	
Styrene	ug/kg	2500	2370	95	70-130	
Tetrachloroethene	ug/kg	2500	2310	92	70-131	
Toluene	ug/kg	2500	2350	94	80-120	
trans-1,2-Dichloroethene	ug/kg	2500	2690	108	66-130	
trans-1,3-Dichloropropene	ug/kg	2500	2370	95	68-130	
Trichloroethene	ug/kg	2500	2420	97	70-130	
Trichlorofluoromethane	ug/kg	2500	2630	105	37-149	
Vinyl chloride	ug/kg	2500	2620	105	43-128	
4-Bromofluorobenzene (S)	%			84	58-141	
Dibromofluoromethane (S)	%			106	68-130	
Toluene-d8 (S)	%			90	68-149	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1670811 1670812

Parameter	Units	40167068003		MSD		MSD		% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
1,1,1-Trichloroethane	ug/kg	<25.0	1560	1560	1450	1450	93	93	57-123	0	20			
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1560	1560	1620	1570	104	101	73-135	3	20			
1,1,2-Trichloroethane	ug/kg	<25.0	1560	1560	1530	1450	98	93	70-130	5	20			
1,1-Dichloroethane	ug/kg	<25.0	1560	1560	1650	1640	106	105	63-124	0	20			
1,1-Dichloroethene	ug/kg	<25.0	1560	1560	1410	1470	91	94	48-117	4	23			
1,2,4-Trichlorobenzene	ug/kg	<47.6	1560	1560	1280	1230	82	79	78-145	4	20			
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1560	1560	1550	1370	99	88	38-168	12	22			
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1560	1560	1570	1540	100	99	70-130	1	20			
1,2-Dichlorobenzene	ug/kg	<25.0	1560	1560	1630	1520	105	97	70-130	7	20			
1,2-Dichloroethane	ug/kg	<25.0	1560	1560	1570	1580	101	101	56-145	1	20			
1,2-Dichloropropane	ug/kg	<25.0	1560	1560	1570	1510	100	97	77-123	4	20			
1,3-Dichlorobenzene	ug/kg	<25.0	1560	1560	1500	1440	96	93	70-130	4	20			
1,4-Dichlorobenzene	ug/kg	<25.0	1560	1560	1640	1530	105	98	70-130	7	20			

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

Parameter	Units	40167068003		1670811		1670812		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
Benzene	ug/kg	<25.0	1560	1560	1510	1500	97	96	65-130	1	20		
Bromodichloromethane	ug/kg	<25.0	1560	1560	1540	1530	99	98	59-141	0	20		
Bromoform	ug/kg	<25.0	1560	1560	1560	1500	100	96	59-141	4	20		
Bromomethane	ug/kg	<69.9	1560	1560	1680	1710	108	110	28-139	2	20		
Carbon tetrachloride	ug/kg	<25.0	1560	1560	1460	1410	94	90	50-130	4	20		
Chlorobenzene	ug/kg	<25.0	1560	1560	1510	1460	97	94	70-130	3	20		
Chloroethane	ug/kg	<67.0	1560	1560	1690	1680	108	107	36-144	1	20		
Chloroform	ug/kg	<46.4	1560	1560	1580	1540	102	99	68-122	3	20		
Chloromethane	ug/kg	<25.0	1560	1560	1520	1560	97	100	30-126	2	20		
cis-1,2-Dichloroethene	ug/kg	<25.0	1560	1560	1500	1540	96	99	63-130	2	20		
cis-1,3-Dichloropropene	ug/kg	<25.0	1560	1560	1560	1540	100	99	70-130	1	20		
Dibromochloromethane	ug/kg	<25.0	1560	1560	1540	1540	99	99	66-136	0	20		
Dichlorodifluoromethane	ug/kg	<25.0	1560	1560	1190	1220	76	78	10-99	2	33		
Ethylbenzene	ug/kg	<25.0	1560	1560	1430	1380	92	89	80-122	4	20		
Isopropylbenzene (Cumene)	ug/kg	<25.0	1560	1560	1410	1320	90	84	70-130	7	20		
m&p-Xylene	ug/kg	<50.0	3120	3120	2770	2730	89	87	70-130	1	20		
Methyl-tert-butyl ether	ug/kg	<25.0	1560	1560	1600	1580	102	101	63-134	1	20		
Methylene Chloride	ug/kg	<25.0	1560	1560	1650	1520	106	97	56-127	8	20		
o-Xylene	ug/kg	<25.0	1560	1560	1490	1410	95	90	70-130	6	20		
Styrene	ug/kg	<25.0	1560	1560	1520	1500	97	96	70-130	1	20		
Tetrachloroethene	ug/kg	<25.0	1560	1560	1420	1440	91	92	70-131	1	20		
Toluene	ug/kg	<25.0	1560	1560	1450	1430	93	91	80-120	2	20		
trans-1,2-Dichloroethene	ug/kg	<25.0	1560	1560	1520	1570	97	100	60-130	3	20		
trans-1,3-Dichloropropene	ug/kg	<25.0	1560	1560	1530	1510	98	97	68-130	1	20		
Trichloroethene	ug/kg	<25.0	1560	1560	1460	1390	94	89	70-130	5	20		
Trichlorofluoromethane	ug/kg	<25.0	1560	1560	1420	1390	91	89	37-149	2	24		
Vinyl chloride	ug/kg	<25.0	1560	1560	1480	1480	95	95	39-128	0	20		
4-Bromofluorobenzene (S)	%						85	86	58-141				
Dibromofluoromethane (S)	%						99	100	68-130				
Toluene-d8 (S)	%						89	90	68-149				

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

QC Batch: 285971

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40167109001

SAMPLE DUPLICATE: 1673016

Parameter	Units	40167109001 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	4.8	4.6	5	10	

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QUALIFIERS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40167109

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

ANALYTE QUALIFIERS

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 BLOCK SYSTEM CLEANERS
Pace Project No.: 40167109

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40167109001	MW-9:4-6	EPA 5035/5030B	285509	EPA 8260	285511
40167109002	MW-9:8-10	EPA 5035/5030B	285509	EPA 8260	285511
40167109003	PZ-2:6-8	EPA 5035/5030B	285509	EPA 8260	285511
40167109004	PZ-4:4-6	EPA 5035/5030B	285509	EPA 8260	285511
40167109005	PZ-4:8-10	EPA 5035/5030B	285509	EPA 8260	285511
40167109006	PZ-4:12-14	EPA 5035/5030B	285509	EPA 8260	285511
40167109007	PZ-4:18-20	EPA 5035/5030B	285509	EPA 8260	285511
40167109001	MW-9:4-6	ASTM D2974-87	285971		
40167109002	MW-9:8-10	ASTM D2974-87	285975		
40167109003	PZ-2:6-8	ASTM D2974-87	285975		
40167109004	PZ-4:4-6	ASTM D2974-87	285975		
40167109005	PZ-4:8-10	ASTM D2974-87	285975		
40167109006	PZ-4:12-14	ASTM D2974-87	285975		
40167109007	PZ-4:18-20	ASTM D2974-87	285975		


REPORT OF LABORATORY ANALYSIS

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Sample Condition Upon Receipt Form (SCUR)

Client Name: Ready Earth

Project #: **WO# : 40167109**



40167109

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no **Seals intact:** yes no

Custody Seal on Samples Present: yes no **Seals intact:** yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - MA **Type of Ice:** Wet Blue Dry None

Cooler Temperature Uncorr: 10°C Corr: _____ Samples on ice, cooling process has begun

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: 4/6/18
 Initials: DS

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>NO Collect Times on COC 18/4/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time: _____
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	MS/MSD <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments

Comments/ Resolution: _____

Project Manager Review:  _____ **Date:** 4/9/18

May 07, 2018

Jason Bartley
ReadyEarth Consulting
W23N1670 Busse Rd.
Waukesha, WI 53188

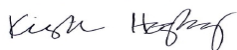
RE: Project: 11-0604 Block Cleaners
Pace Project No.: 10429406

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on May 01, 2018. 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,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

Minnesota Certification IDs

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: MN00064

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon NwTPH Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DW Certification #: 9952 C

West Virginia DEP Certification #: 382

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10429406001	VP-6	Air	04/26/18 18:45	05/01/18 13:05
10429406002	IA-1	Air	04/27/18 18:00	05/01/18 13:05

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10429406001	VP-6	TO-15	CH1	5
10429406002	IA-1	TO-15	CH1	5

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

Sample: VP-6 **Lab ID: 10429406001** Collected: 04/26/18 18:45 Received: 05/01/18 13:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
cis-1,2-Dichloroethene	<0.46	ug/m3	1.1	0.46	1.34		05/04/18 02:32	156-59-2	
trans-1,2-Dichloroethene	<0.40	ug/m3	1.1	0.40	1.34		05/04/18 02:32	156-60-5	
Tetrachloroethene	34.8	ug/m3	1.8	0.38	1.34		05/04/18 02:32	127-18-4	
Trichloroethene	<0.36	ug/m3	1.5	0.36	1.34		05/04/18 02:32	79-01-6	
Vinyl chloride	<0.17	ug/m3	0.70	0.17	1.34		05/04/18 02:32	75-01-4	

Sample: IA-1 **Lab ID: 10429406002** Collected: 04/27/18 18:00 Received: 05/01/18 13:05 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR Analytical Method: TO-15									
cis-1,2-Dichloroethene	<0.44	ug/m3	1.0	0.44	1.3		05/04/18 01:58	156-59-2	
trans-1,2-Dichloroethene	<0.38	ug/m3	1.0	0.38	1.3		05/04/18 01:58	156-60-5	
Tetrachloroethene	42.5	ug/m3	1.8	0.37	1.3		05/04/18 01:58	127-18-4	
Trichloroethene	<0.35	ug/m3	1.4	0.35	1.3		05/04/18 01:58	79-01-6	
Vinyl chloride	<0.16	ug/m3	0.68	0.16	1.3		05/04/18 01:58	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

QC Batch: 535882

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10429406001, 10429406002

METHOD BLANK: 2912561

Matrix: Air

Associated Lab Samples: 10429406001, 10429406002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.34	0.81	05/03/18 11:27	
Tetrachloroethene	ug/m3	<0.29	1.4	05/03/18 11:27	MN
trans-1,2-Dichloroethene	ug/m3	<0.30	0.81	05/03/18 11:27	
Trichloroethene	ug/m3	<0.27	1.1	05/03/18 11:27	MN
Vinyl chloride	ug/m3	<0.13	0.52	05/03/18 11:27	MN

LABORATORY CONTROL SAMPLE: 2912562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	40.3	33.9	84	70-136	
Tetrachloroethene	ug/m3	68.9	56.2	81	70-133	
trans-1,2-Dichloroethene	ug/m3	40.3	33.9	84	70-132	
Trichloroethene	ug/m3	54.6	43.5	80	70-135	
Vinyl chloride	ug/m3	26	25.7	99	70-141	

SAMPLE DUPLICATE: 2913466

Parameter	Units	10429457003 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.48		25	
Tetrachloroethene	ug/m3	ND	<0.40		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.42		25	
Trichloroethene	ug/m3	ND	<0.38		25	
Vinyl chloride	ug/m3	ND	<0.18		25	

SAMPLE DUPLICATE: 2913467

Parameter	Units	10429457005 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	ND	<0.55		25	
Tetrachloroethene	ug/m3	ND	2.6		25	
trans-1,2-Dichloroethene	ug/m3	ND	<0.47		25	
Trichloroethene	ug/m3	ND	<0.43		25	
Vinyl chloride	ug/m3	ND	<0.20		25	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

ANALYTE QUALIFIERS

MN The reporting limit has been raised in accordance with Minnesota Statutes 4740.2100 Subpart 8. C, D. Reporting Limit Evaluation Rule.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 Block Cleaners

Pace Project No.: 10429406

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10429406001	VP-6	TO-15	535882		
10429406002	IA-1	TO-15	535882		

REPORT OF LABORATORY ANALYSIS

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Air Sample Condition Upon Receipt

Client Name: Ready Earth Project #: _____

WO# : 10429406
 PM: AKA Due Date: 05/08/18
 CLIENT: ReadyEarth

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

Tracking Number: 7176 3007 0390

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Optional: Proj. Due Date: _____ Proj. Name: _____

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): Corrected Temp (°C): Thermom. Used: 151401163
 G87A9155100842
 Temp should be above freezing to 6°C Correction Factor: Date & initials of Person Examining Contents:

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>N</u> (list which samples)
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received:					Pressure Gauge # 10AIR26				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>VP-4</u>			<u>0</u>	<u>75</u>					
<u>IA-1</u>			<u>70.5</u>	<u>4</u>					

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: Kirsten Hoffberg Date: 5/1/2018
 Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)



ANALYTICAL RESULTS

Client: ReadyEarth Consulting
 Phone:

Lab Project Number: 10429406
 Project Name: 11-0604 Block Cleaners

Lab Sample No: 10429406001 ProjSampleNum: 10429406001 Date Collected: 04/26/18 18:45
 Client Sample ID: VP-6 Matrix: Air Date Received: 05/01/18 13:05

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air							
TO-15							
cis-1,2-Dichloroethene	1.1	<0.46	0.27	<0.11	1.34	05/04/18 2:32 CH1	156-59-2
Tetrachloroethene	1.8	34.8	0.26	5	1.34	05/04/18 2:32 CH1	127-18-4
trans-1,2-Dichloroethene	1.1	<0.40	0.27	<0.099	1.34	05/04/18 2:32 CH1	156-60-5
Trichloroethene	1.5	<0.36	0.27	<0.066	1.34	05/04/18 2:32 CH1	79-01-6
Vinyl chloride	0.7	<0.17	0.27	<0.065	1.34	05/04/18 2:32 CH1	75-01-4

Lab Sample No: 10429406002 ProjSampleNum: 10429406002 Date Collected: 04/27/18 18:00
 Client Sample ID: IA-1 Matrix: Air Date Received: 05/01/18 13:05

Parameters	Report Limit ug/m3	Results ug/m3	Report Limit ppbv	Results ppbv	DF	Analyzed	CAS No.
Air							
TO-15							
cis-1,2-Dichloroethene	1	<0.44	0.25	<0.11	1.3	05/04/18 1:58 CH1	156-59-2
Tetrachloroethene	1.8	42.5	0.26	6.2	1.3	05/04/18 1:58 CH1	127-18-4
trans-1,2-Dichloroethene	1	<0.38	0.25	<0.094	1.3	05/04/18 1:58 CH1	156-60-5
Trichloroethene	1.4	<0.35	0.26	<0.064	1.3	05/04/18 1:58 CH1	79-01-6
Vinyl chloride	0.68	<0.16	0.26	<0.062	1.3	05/04/18 1:58 CH1	75-01-4

SUPPLEMENTAL REPORT

Units Conversion Request

August 14, 2018

Jason Bartley
ReadyEarth Consulting, Inc.
P.O. Box 365
Pewaukee, WI 53072

RE: Project: 11-0604 BLOCK SYSTEM CLEANERS
Pace Project No.: 40173931

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2018. 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

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

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SAMPLE SUMMARY

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40173931001	MW-8	Water	08/07/18 00:00	08/11/18 09:45
40173931002	MW-7	Water	08/07/18 00:00	08/11/18 09:45
40173931003	PZ-2	Water	08/07/18 00:00	08/11/18 09:45
40173931004	MW-9	Water	08/07/18 00:00	08/11/18 09:45
40173931005	MW-1	Water	08/07/18 00:00	08/11/18 09:45
40173931006	MW-2	Water	08/07/18 00:00	08/11/18 09:45
40173931007	MW-6	Water	08/07/18 00:00	08/11/18 09:45
40173931008	MW-5	Water	08/07/18 00:00	08/11/18 09:45
40173931009	PZ-3	Water	08/07/18 00:00	08/11/18 09:45
40173931010	PZ-4	Water	08/07/18 00:00	08/11/18 09:45
40173931011	MW-3	Water	08/07/18 00:00	08/11/18 09:45
40173931012	MW-4	Water	08/07/18 00:00	08/11/18 09:45
40173931013	PZ-1	Water	08/07/18 00:00	08/11/18 09:45

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40173931001	MW-8	EPA 8260	HNW	64
40173931002	MW-7	EPA 8260	HNW	64
40173931003	PZ-2	EPA 8260	HNW	64
40173931004	MW-9	EPA 8260	HNW	64
40173931005	MW-1	EPA 8260	HNW	64
40173931006	MW-2	EPA 8260	HNW	64
40173931007	MW-6	EPA 8260	HNW	64
40173931008	MW-5	EPA 8260	HNW	64
40173931009	PZ-3	EPA 8260	HNW	64
40173931010	PZ-4	EPA 8260	HNW	64
40173931011	MW-3	EPA 8260	HNW	64
40173931012	MW-4	EPA 8260	HNW	64
40173931013	PZ-1	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-8 **Lab ID: 40173931001** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 12:38	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 12:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 12:38	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 12:38	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 12:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 12:38	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 12:38	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 12:38	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 12:38	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 12:38	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 12:38	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 12:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 12:38	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 12:38	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 12:38	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 12:38	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 12:38	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 12:38	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 12:38	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 12:38	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 12:38	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 12:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 12:38	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 12:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 12:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 12:38	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 12:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 12:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 12:38	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 12:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 12:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 12:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 12:38	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 12:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 12:38	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 12:38	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 12:38	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 12:38	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 12:38	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 12:38	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 12:38	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 12:38	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 12:38	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 12:38	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 12:38	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/13/18 12:38	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-8 **Lab ID: 40173931001** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 12:38	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 12:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 12:38	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 12:38	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 12:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 12:38	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 12:38	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 12:38	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 12:38	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 12:38	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 12:38	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 12:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 12:38	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 12:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 12:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/13/18 12:38	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		08/13/18 12:38	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/13/18 12:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-7 **Lab ID: 40173931002** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 13:00	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 13:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 13:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 13:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 13:00	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 13:00	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 13:00	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 13:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 13:00	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 13:00	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 13:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 13:00	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:00	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:00	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 13:00	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 13:00	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 13:00	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 13:00	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 13:00	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 13:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 13:00	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 13:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 13:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 13:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 13:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 13:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 13:00	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 13:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 13:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 13:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 13:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 13:00	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 13:00	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 13:00	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 13:00	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 13:00	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 13:00	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 13:00	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 13:00	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 13:00	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 13:00	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 13:00	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/13/18 13:00	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-7 **Lab ID: 40173931002** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 13:00	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 13:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 13:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 13:00	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 13:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 13:00	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 13:00	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:00	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 13:00	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 13:00	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 13:00	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 13:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 13:00	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 13:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 13:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/13/18 13:00	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		08/13/18 13:00	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/13/18 13:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-2 **Lab ID: 40173931003** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 17:07	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 17:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:07	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 17:07	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 17:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 17:07	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 17:07	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 17:07	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 17:07	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 17:07	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 17:07	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 17:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 17:07	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:07	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:07	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:07	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 17:07	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 17:07	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 17:07	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 17:07	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 17:07	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 17:07	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 17:07	106-43-4	
Benzene	0.31J	ug/L	1.0	0.25	1		08/13/18 17:07	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 17:07	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 17:07	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 17:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 17:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 17:07	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 17:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 17:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 17:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 17:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 17:07	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 17:07	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 17:07	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 17:07	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 17:07	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 17:07	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 17:07	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 17:07	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 17:07	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 17:07	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 17:07	100-42-5	
Tetrachloroethene	0.97J	ug/L	1.1	0.33	1		08/13/18 17:07	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-2 **Lab ID: 40173931003** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	0.66J	ug/L	5.0	0.17	1		08/13/18 17:07	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 17:07	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 17:07	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 17:07	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 17:07	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 17:07	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 17:07	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:07	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 17:07	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 17:07	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 17:07	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 17:07	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 17:07	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 17:07	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 17:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/13/18 17:07	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		08/13/18 17:07	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/13/18 17:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-9 **Lab ID: 40173931004** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 17:29	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 17:29	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:29	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 17:29	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 17:29	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 17:29	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 17:29	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 17:29	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 17:29	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 17:29	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 17:29	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 17:29	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 17:29	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:29	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:29	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:29	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 17:29	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 17:29	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 17:29	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 17:29	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 17:29	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 17:29	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 17:29	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 17:29	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 17:29	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 17:29	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 17:29	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 17:29	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 17:29	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 17:29	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:29	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 17:29	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 17:29	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 17:29	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 17:29	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 17:29	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 17:29	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 17:29	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 17:29	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 17:29	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 17:29	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 17:29	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 17:29	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 17:29	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 17:29	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		08/13/18 17:29	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-9 **Lab ID: 40173931004** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 17:29	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 17:29	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 17:29	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 17:29	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 17:29	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 17:29	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 17:29	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:29	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 17:29	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 17:29	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 17:29	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 17:29	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 17:29	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 17:29	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 17:29	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/13/18 17:29	460-00-4	HS,pH
Dibromofluoromethane (S)	109	%	70-130		1		08/13/18 17:29	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/13/18 17:29	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-1 Lab ID: 40173931005 Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 13:23	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 13:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:23	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 13:23	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 13:23	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 13:23	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 13:23	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 13:23	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 13:23	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 13:23	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 13:23	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 13:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 13:23	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:23	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:23	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:23	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 13:23	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 13:23	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 13:23	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 13:23	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 13:23	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 13:23	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 13:23	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 13:23	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 13:23	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 13:23	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 13:23	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 13:23	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 13:23	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 13:23	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:23	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 13:23	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 13:23	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 13:23	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 13:23	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 13:23	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 13:23	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 13:23	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 13:23	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 13:23	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 13:23	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 13:23	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 13:23	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 13:23	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 13:23	100-42-5	
Tetrachloroethene	3.8	ug/L	1.1	0.33	1		08/13/18 13:23	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-1 **Lab ID: 40173931005** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 13:23	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 13:23	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 13:23	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 13:23	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 13:23	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 13:23	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 13:23	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:23	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 13:23	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 13:23	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 13:23	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 13:23	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 13:23	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 13:23	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 13:23	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/13/18 13:23	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		08/13/18 13:23	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/13/18 13:23	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-2 **Lab ID: 40173931006** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 13:45	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 13:45	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:45	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 13:45	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 13:45	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 13:45	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 13:45	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 13:45	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 13:45	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 13:45	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 13:45	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 13:45	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 13:45	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:45	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:45	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 13:45	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 13:45	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 13:45	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 13:45	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 13:45	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 13:45	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 13:45	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 13:45	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 13:45	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 13:45	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 13:45	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 13:45	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 13:45	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 13:45	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 13:45	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:45	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 13:45	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 13:45	67-66-3	
Chloromethane	5.0J	ug/L	7.3	2.2	1		08/13/18 13:45	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 13:45	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 13:45	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 13:45	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 13:45	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 13:45	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 13:45	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 13:45	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 13:45	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 13:45	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 13:45	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 13:45	100-42-5	
Tetrachloroethene	8.0	ug/L	1.1	0.33	1		08/13/18 13:45	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-2 **Lab ID: 40173931006** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 13:45	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 13:45	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 13:45	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 13:45	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 13:45	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 13:45	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 13:45	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 13:45	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 13:45	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 13:45	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 13:45	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 13:45	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 13:45	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 13:45	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 13:45	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	90	%	70-130		1		08/13/18 13:45	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		08/13/18 13:45	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/13/18 13:45	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-6 **Lab ID: 40173931007** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 14:07	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 14:07	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 14:07	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 14:07	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 14:07	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 14:07	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 14:07	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 14:07	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 14:07	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 14:07	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 14:07	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 14:07	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 14:07	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 14:07	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 14:07	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 14:07	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 14:07	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 14:07	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 14:07	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 14:07	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 14:07	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 14:07	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 14:07	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 14:07	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 14:07	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 14:07	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 14:07	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 14:07	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 14:07	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 14:07	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 14:07	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 14:07	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 14:07	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 14:07	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 14:07	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 14:07	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 14:07	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 14:07	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 14:07	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 14:07	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 14:07	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 14:07	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 14:07	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 14:07	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 14:07	100-42-5	
Tetrachloroethene	6.9	ug/L	1.1	0.33	1		08/13/18 14:07	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-6 **Lab ID: 40173931007** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 14:07	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 14:07	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 14:07	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 14:07	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 14:07	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 14:07	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 14:07	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 14:07	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 14:07	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 14:07	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 14:07	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 14:07	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 14:07	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 14:07	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 14:07	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/13/18 14:07	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		08/13/18 14:07	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/13/18 14:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Project No.: 40173931

Sample: MW-5 **Lab ID: 40173931008** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 14:52	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 14:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 14:52	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 14:52	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 14:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 14:52	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 14:52	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 14:52	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 14:52	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 14:52	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 14:52	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 14:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 14:52	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 14:52	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 14:52	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 14:52	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 14:52	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 14:52	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 14:52	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 14:52	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 14:52	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 14:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 14:52	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 14:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 14:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 14:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 14:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 14:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 14:52	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 14:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 14:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 14:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 14:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 14:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 14:52	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 14:52	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 14:52	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 14:52	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 14:52	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 14:52	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 14:52	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 14:52	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 14:52	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 14:52	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 14:52	100-42-5	
Tetrachloroethene	5.3	ug/L	1.1	0.33	1		08/13/18 14:52	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-5 **Lab ID: 40173931008** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 14:52	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		08/13/18 14:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 14:52	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 14:52	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 14:52	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 14:52	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 14:52	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 14:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 14:52	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 14:52	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 14:52	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 14:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 14:52	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 14:52	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 14:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/13/18 14:52	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		08/13/18 14:52	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/13/18 14:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-3 **Lab ID: 40173931009** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 17:52	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 17:52	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:52	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 17:52	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 17:52	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 17:52	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 17:52	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 17:52	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 17:52	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 17:52	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 17:52	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 17:52	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 17:52	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:52	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:52	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 17:52	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 17:52	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 17:52	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 17:52	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 17:52	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 17:52	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 17:52	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 17:52	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 17:52	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 17:52	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 17:52	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 17:52	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 17:52	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 17:52	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 17:52	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:52	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 17:52	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 17:52	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 17:52	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 17:52	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 17:52	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 17:52	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 17:52	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 17:52	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 17:52	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 17:52	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 17:52	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 17:52	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 17:52	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 17:52	100-42-5	
Tetrachloroethene	1.1J	ug/L	1.1	0.33	1		08/13/18 17:52	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-3 **Lab ID: 40173931009** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 17:52	108-88-3	
Trichloroethene	0.29J	ug/L	1.0	0.26	1		08/13/18 17:52	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 17:52	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 17:52	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 17:52	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 17:52	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 17:52	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 17:52	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 17:52	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 17:52	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 17:52	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 17:52	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 17:52	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 17:52	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 17:52	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	89	%	70-130		1		08/13/18 17:52	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		08/13/18 17:52	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		08/13/18 17:52	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: **PZ-4** Lab ID: **40173931010** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 18:14	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		08/13/18 18:14	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 18:14	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		08/13/18 18:14	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		08/13/18 18:14	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		08/13/18 18:14	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		08/13/18 18:14	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		08/13/18 18:14	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		08/13/18 18:14	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		08/13/18 18:14	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		08/13/18 18:14	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		08/13/18 18:14	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		08/13/18 18:14	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 18:14	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		08/13/18 18:14	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		08/13/18 18:14	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		08/13/18 18:14	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		08/13/18 18:14	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		08/13/18 18:14	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		08/13/18 18:14	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		08/13/18 18:14	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		08/13/18 18:14	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		08/13/18 18:14	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		08/13/18 18:14	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		08/13/18 18:14	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		08/13/18 18:14	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		08/13/18 18:14	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		08/13/18 18:14	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		08/13/18 18:14	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		08/13/18 18:14	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 18:14	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		08/13/18 18:14	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		08/13/18 18:14	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		08/13/18 18:14	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		08/13/18 18:14	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		08/13/18 18:14	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		08/13/18 18:14	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		08/13/18 18:14	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		08/13/18 18:14	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		08/13/18 18:14	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	2.7	0.39	1		08/13/18 18:14	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		08/13/18 18:14	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		08/13/18 18:14	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		08/13/18 18:14	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		08/13/18 18:14	100-42-5	
Tetrachloroethene	13.5	ug/L	1.1	0.33	1		08/13/18 18:14	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-4 **Lab ID: 40173931010** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		08/13/18 18:14	108-88-3	
Trichloroethene	2.9	ug/L	1.0	0.26	1		08/13/18 18:14	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		08/13/18 18:14	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		08/13/18 18:14	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		08/13/18 18:14	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		08/13/18 18:14	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		08/13/18 18:14	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		08/13/18 18:14	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		08/13/18 18:14	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		08/13/18 18:14	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		08/13/18 18:14	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		08/13/18 18:14	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		08/13/18 18:14	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		08/13/18 18:14	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		08/13/18 18:14	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		1		08/13/18 18:14	460-00-4	
Dibromofluoromethane (S)	109	%	70-130		1		08/13/18 18:14	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		08/13/18 18:14	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: **MW-3** Lab ID: **40173931011** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		08/13/18 11:31	630-20-6	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		08/13/18 11:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		08/13/18 11:31	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		08/13/18 11:31	79-00-5	
1,1-Dichloroethane	<0.55	ug/L	2.0	0.55	2		08/13/18 11:31	75-34-3	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		08/13/18 11:31	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		08/13/18 11:31	563-58-6	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		08/13/18 11:31	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		08/13/18 11:31	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		08/13/18 11:31	120-82-1	
1,2,4-Trimethylbenzene	2.8J	ug/L	5.6	1.7	2		08/13/18 11:31	95-63-6	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		08/13/18 11:31	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		08/13/18 11:31	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		08/13/18 11:31	95-50-1	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		08/13/18 11:31	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		08/13/18 11:31	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		08/13/18 11:31	108-67-8	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		08/13/18 11:31	541-73-1	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		08/13/18 11:31	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		08/13/18 11:31	106-46-7	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		08/13/18 11:31	594-20-7	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		08/13/18 11:31	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		08/13/18 11:31	106-43-4	
Benzene	<0.49	ug/L	2.0	0.49	2		08/13/18 11:31	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		08/13/18 11:31	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		08/13/18 11:31	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		08/13/18 11:31	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		08/13/18 11:31	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		08/13/18 11:31	74-83-9	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		08/13/18 11:31	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		08/13/18 11:31	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		08/13/18 11:31	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		08/13/18 11:31	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		08/13/18 11:31	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		08/13/18 11:31	124-48-1	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		08/13/18 11:31	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		08/13/18 11:31	75-71-8	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		08/13/18 11:31	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		08/13/18 11:31	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		08/13/18 11:31	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	5.3	0.79	2		08/13/18 11:31	98-82-8	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		08/13/18 11:31	1634-04-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		08/13/18 11:31	75-09-2	
Naphthalene	<2.4	ug/L	10.0	2.4	2		08/13/18 11:31	91-20-3	
Styrene	<0.93	ug/L	3.1	0.93	2		08/13/18 11:31	100-42-5	
Tetrachloroethene	183	ug/L	2.2	0.65	2		08/13/18 11:31	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-3 **Lab ID: 40173931011** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.34	ug/L	10.0	0.34	2		08/13/18 11:31	108-88-3	
Trichloroethene	4.5	ug/L	2.0	0.51	2		08/13/18 11:31	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		08/13/18 11:31	75-69-4	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		08/13/18 11:31	75-01-4	
cis-1,2-Dichloroethene	0.88J	ug/L	2.0	0.54	2		08/13/18 11:31	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		08/13/18 11:31	10061-01-5	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		08/13/18 11:31	179601-23-1	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		08/13/18 11:31	104-51-8	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		08/13/18 11:31	103-65-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		08/13/18 11:31	95-47-6	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		08/13/18 11:31	99-87-6	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		08/13/18 11:31	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		08/13/18 11:31	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		08/13/18 11:31	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		08/13/18 11:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	88	%	70-130		2		08/13/18 11:31	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		2		08/13/18 11:31	1868-53-7	
Toluene-d8 (S)	100	%	70-130		2		08/13/18 11:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Sample Project No.: 40173931

Sample: MW-4 Lab ID: 40173931012 Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		08/13/18 11:53	630-20-6	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		08/13/18 11:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		08/13/18 11:53	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		08/13/18 11:53	79-00-5	
1,1-Dichloroethane	<0.55	ug/L	2.0	0.55	2		08/13/18 11:53	75-34-3	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		08/13/18 11:53	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		08/13/18 11:53	563-58-6	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		08/13/18 11:53	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		08/13/18 11:53	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		08/13/18 11:53	120-82-1	
1,2,4-Trimethylbenzene	3.5J	ug/L	5.6	1.7	2		08/13/18 11:53	95-63-6	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		08/13/18 11:53	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		08/13/18 11:53	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		08/13/18 11:53	95-50-1	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		08/13/18 11:53	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		08/13/18 11:53	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		08/13/18 11:53	108-67-8	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		08/13/18 11:53	541-73-1	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		08/13/18 11:53	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		08/13/18 11:53	106-46-7	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		08/13/18 11:53	594-20-7	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		08/13/18 11:53	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		08/13/18 11:53	106-43-4	
Benzene	<0.49	ug/L	2.0	0.49	2		08/13/18 11:53	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		08/13/18 11:53	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		08/13/18 11:53	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		08/13/18 11:53	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		08/13/18 11:53	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		08/13/18 11:53	74-83-9	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		08/13/18 11:53	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		08/13/18 11:53	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		08/13/18 11:53	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		08/13/18 11:53	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		08/13/18 11:53	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		08/13/18 11:53	124-48-1	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		08/13/18 11:53	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		08/13/18 11:53	75-71-8	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		08/13/18 11:53	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		08/13/18 11:53	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		08/13/18 11:53	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	5.3	0.79	2		08/13/18 11:53	98-82-8	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		08/13/18 11:53	1634-04-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		08/13/18 11:53	75-09-2	
Naphthalene	<2.4	ug/L	10.0	2.4	2		08/13/18 11:53	91-20-3	
Styrene	<0.93	ug/L	3.1	0.93	2		08/13/18 11:53	100-42-5	
Tetrachloroethene	127	ug/L	2.2	0.65	2		08/13/18 11:53	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: MW-4 **Lab ID: 40173931012** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.34	ug/L	10.0	0.34	2		08/13/18 11:53	108-88-3	
Trichloroethene	16.7	ug/L	2.0	0.51	2		08/13/18 11:53	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		08/13/18 11:53	75-69-4	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		08/13/18 11:53	75-01-4	
cis-1,2-Dichloroethene	1.4J	ug/L	2.0	0.54	2		08/13/18 11:53	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		08/13/18 11:53	10061-01-5	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		08/13/18 11:53	179601-23-1	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		08/13/18 11:53	104-51-8	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		08/13/18 11:53	103-65-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		08/13/18 11:53	95-47-6	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		08/13/18 11:53	99-87-6	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		08/13/18 11:53	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		08/13/18 11:53	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		08/13/18 11:53	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		08/13/18 11:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	93	%	70-130		2		08/13/18 11:53	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		2		08/13/18 11:53	1868-53-7	
Toluene-d8 (S)	98	%	70-130		2		08/13/18 11:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-1 **Lab ID: 40173931013** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		08/13/18 12:15	630-20-6	
1,1,1-Trichloroethane	<0.98	ug/L	4.0	0.98	4		08/13/18 12:15	71-55-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		08/13/18 12:15	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		08/13/18 12:15	79-00-5	
1,1-Dichloroethane	132	ug/L	4.0	1.1	4		08/13/18 12:15	75-34-3	
1,1-Dichloroethene	5.9	ug/L	4.0	0.98	4		08/13/18 12:15	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		08/13/18 12:15	563-58-6	
1,2,3-Trichlorobenzene	<2.5	ug/L	20.0	2.5	4		08/13/18 12:15	87-61-6	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		08/13/18 12:15	96-18-4	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		08/13/18 12:15	120-82-1	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		08/13/18 12:15	95-63-6	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		08/13/18 12:15	96-12-8	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		08/13/18 12:15	106-93-4	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		08/13/18 12:15	95-50-1	
1,2-Dichloroethane	<1.1	ug/L	4.0	1.1	4		08/13/18 12:15	107-06-2	
1,2-Dichloropropane	302	ug/L	4.0	1.1	4		08/13/18 12:15	78-87-5	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		08/13/18 12:15	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		08/13/18 12:15	541-73-1	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		08/13/18 12:15	142-28-9	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		08/13/18 12:15	106-46-7	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		08/13/18 12:15	594-20-7	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		08/13/18 12:15	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		08/13/18 12:15	106-43-4	
Benzene	<0.99	ug/L	4.0	0.99	4		08/13/18 12:15	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		08/13/18 12:15	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		08/13/18 12:15	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		08/13/18 12:15	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		08/13/18 12:15	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		08/13/18 12:15	74-83-9	
Carbon tetrachloride	<0.66	ug/L	4.0	0.66	4		08/13/18 12:15	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		08/13/18 12:15	108-90-7	
Chloroethane	<5.4	ug/L	20.0	5.4	4		08/13/18 12:15	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		08/13/18 12:15	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		08/13/18 12:15	74-87-3	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		08/13/18 12:15	124-48-1	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		08/13/18 12:15	74-95-3	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		08/13/18 12:15	75-71-8	
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		08/13/18 12:15	108-20-3	
Ethylbenzene	<0.87	ug/L	4.0	0.87	4		08/13/18 12:15	100-41-4	
Hexachloro-1,3-butadiene	<4.7	ug/L	20.0	4.7	4		08/13/18 12:15	87-68-3	
Isopropylbenzene (Cumene)	<1.6	ug/L	10.7	1.6	4		08/13/18 12:15	98-82-8	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		08/13/18 12:15	1634-04-4	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		08/13/18 12:15	75-09-2	
Naphthalene	<4.7	ug/L	20.0	4.7	4		08/13/18 12:15	91-20-3	
Styrene	<1.9	ug/L	6.2	1.9	4		08/13/18 12:15	100-42-5	
Tetrachloroethene	548	ug/L	4.4	1.3	4		08/13/18 12:15	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Sample: PZ-1 **Lab ID: 40173931013** Collected: 08/07/18 00:00 Received: 08/11/18 09:45 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.69	ug/L	20.0	0.69	4		08/13/18 12:15	108-88-3	
Trichloroethene	207	ug/L	4.0	1.0	4		08/13/18 12:15	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		08/13/18 12:15	75-69-4	
Vinyl chloride	0.75J	ug/L	4.0	0.70	4		08/13/18 12:15	75-01-4	
cis-1,2-Dichloroethene	14.5	ug/L	4.0	1.1	4		08/13/18 12:15	156-59-2	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		08/13/18 12:15	10061-01-5	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		08/13/18 12:15	179601-23-1	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		08/13/18 12:15	104-51-8	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		08/13/18 12:15	103-65-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		08/13/18 12:15	95-47-6	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		08/13/18 12:15	99-87-6	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		08/13/18 12:15	135-98-8	
tert-Butylbenzene	3.5J	ug/L	4.1	1.2	4		08/13/18 12:15	98-06-6	
trans-1,2-Dichloroethene	<4.4	ug/L	14.5	4.4	4		08/13/18 12:15	156-60-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		08/13/18 12:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		4		08/13/18 12:15	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		4		08/13/18 12:15	1868-53-7	
Toluene-d8 (S)	98	%	70-130		4		08/13/18 12:15	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

QC Batch: 296995 Analysis Method: EPA 8260
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
 Associated Lab Samples: 40173931001, 40173931002, 40173931003, 40173931004, 40173931005, 40173931006, 40173931007,
 40173931008, 40173931009, 40173931010, 40173931011, 40173931012, 40173931013

METHOD BLANK: 1735080 Matrix: Water
 Associated Lab Samples: 40173931001, 40173931002, 40173931003, 40173931004, 40173931005, 40173931006, 40173931007,
 40173931008, 40173931009, 40173931010, 40173931011, 40173931012, 40173931013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	08/13/18 09:16	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	08/13/18 09:16	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	08/13/18 09:16	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	08/13/18 09:16	
1,1-Dichloroethane	ug/L	<0.27	1.0	08/13/18 09:16	
1,1-Dichloroethene	ug/L	<0.24	1.0	08/13/18 09:16	
1,1-Dichloropropene	ug/L	<0.54	1.8	08/13/18 09:16	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	08/13/18 09:16	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	08/13/18 09:16	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	08/13/18 09:16	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	08/13/18 09:16	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	08/13/18 09:16	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	08/13/18 09:16	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	08/13/18 09:16	
1,2-Dichloroethane	ug/L	<0.28	1.0	08/13/18 09:16	
1,2-Dichloropropane	ug/L	<0.28	1.0	08/13/18 09:16	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	08/13/18 09:16	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	08/13/18 09:16	
1,3-Dichloropropane	ug/L	<0.83	2.8	08/13/18 09:16	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	08/13/18 09:16	
2,2-Dichloropropane	ug/L	<2.3	7.6	08/13/18 09:16	
2-Chlorotoluene	ug/L	<0.93	5.0	08/13/18 09:16	
4-Chlorotoluene	ug/L	<0.76	2.5	08/13/18 09:16	
Benzene	ug/L	<0.25	1.0	08/13/18 09:16	
Bromobenzene	ug/L	<0.24	1.0	08/13/18 09:16	
Bromochloromethane	ug/L	<0.36	5.0	08/13/18 09:16	
Bromodichloromethane	ug/L	<0.36	1.2	08/13/18 09:16	
Bromoform	ug/L	<4.0	13.2	08/13/18 09:16	
Bromomethane	ug/L	<0.97	5.0	08/13/18 09:16	
Carbon tetrachloride	ug/L	<0.17	1.0	08/13/18 09:16	
Chlorobenzene	ug/L	<0.71	2.4	08/13/18 09:16	
Chloroethane	ug/L	<1.3	5.0	08/13/18 09:16	
Chloroform	ug/L	<1.3	5.0	08/13/18 09:16	
Chloromethane	ug/L	<2.2	7.3	08/13/18 09:16	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	08/13/18 09:16	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	08/13/18 09:16	
Dibromochloromethane	ug/L	<2.6	8.7	08/13/18 09:16	
Dibromomethane	ug/L	<0.94	3.1	08/13/18 09:16	
Dichlorodifluoromethane	ug/L	<0.50	5.0	08/13/18 09:16	
Diisopropyl ether	ug/L	<1.9	6.3	08/13/18 09:16	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

METHOD BLANK: 1735080

Matrix: Water

Associated Lab Samples: 40173931001, 40173931002, 40173931003, 40173931004, 40173931005, 40173931006, 40173931007, 40173931008, 40173931009, 40173931010, 40173931011, 40173931012, 40173931013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	08/13/18 09:16	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	08/13/18 09:16	
Isopropylbenzene (Cumene)	ug/L	<0.39	2.7	08/13/18 09:16	
m&p-Xylene	ug/L	<0.47	2.0	08/13/18 09:16	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	08/13/18 09:16	
Methylene Chloride	ug/L	<0.58	5.0	08/13/18 09:16	
n-Butylbenzene	ug/L	<0.71	2.4	08/13/18 09:16	
n-Propylbenzene	ug/L	<0.81	5.0	08/13/18 09:16	
Naphthalene	ug/L	<1.2	5.0	08/13/18 09:16	
o-Xylene	ug/L	<0.26	1.0	08/13/18 09:16	
p-Isopropyltoluene	ug/L	<0.80	2.7	08/13/18 09:16	
sec-Butylbenzene	ug/L	<0.85	5.0	08/13/18 09:16	
Styrene	ug/L	<0.47	1.6	08/13/18 09:16	
tert-Butylbenzene	ug/L	<0.30	1.0	08/13/18 09:16	
Tetrachloroethene	ug/L	<0.33	1.1	08/13/18 09:16	
Toluene	ug/L	<0.17	5.0	08/13/18 09:16	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	08/13/18 09:16	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	08/13/18 09:16	
Trichloroethene	ug/L	<0.26	1.0	08/13/18 09:16	
Trichlorofluoromethane	ug/L	<0.21	1.0	08/13/18 09:16	
Vinyl chloride	ug/L	<0.17	1.0	08/13/18 09:16	
4-Bromofluorobenzene (S)	%	90	70-130	08/13/18 09:16	
Dibromofluoromethane (S)	%	106	70-130	08/13/18 09:16	
Toluene-d8 (S)	%	100	70-130	08/13/18 09:16	

LABORATORY CONTROL SAMPLE: 1735081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.1	108	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	49.6	99	67-130	
1,1,2-Trichloroethane	ug/L	50	52.4	105	70-130	
1,1-Dichloroethane	ug/L	50	56.5	113	70-134	
1,1-Dichloroethene	ug/L	50	56.1	112	75-132	
1,2,4-Trichlorobenzene	ug/L	50	45.4	91	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	45.5	91	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	50.5	101	70-130	
1,2-Dichlorobenzene	ug/L	50	48.8	98	70-130	
1,2-Dichloroethane	ug/L	50	50.7	101	73-134	
1,2-Dichloropropane	ug/L	50	52.4	105	79-128	
1,3-Dichlorobenzene	ug/L	50	47.7	95	70-130	
1,4-Dichlorobenzene	ug/L	50	48.3	97	70-130	
Benzene	ug/L	50	51.8	104	69-137	
Bromodichloromethane	ug/L	50	51.9	104	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

LABORATORY CONTROL SAMPLE: 1735081

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	47.7	95	64-133	
Bromomethane	ug/L	50	30.6	61	29-123	
Carbon tetrachloride	ug/L	50	54.6	109	73-142	
Chlorobenzene	ug/L	50	51.7	103	70-130	
Chloroethane	ug/L	50	54.4	109	59-133	
Chloroform	ug/L	50	60.7	121	80-129	
Chloromethane	ug/L	50	41.2	82	27-125	
cis-1,2-Dichloroethene	ug/L	50	55.1	110	70-134	
cis-1,3-Dichloropropene	ug/L	50	54.6	109	70-130	
Dibromochloromethane	ug/L	50	51.4	103	70-130	
Dichlorodifluoromethane	ug/L	50	32.4	65	12-127	
Ethylbenzene	ug/L	50	53.7	107	86-127	
Isopropylbenzene (Cumene)	ug/L	50	51.7	103	70-130	
m&p-Xylene	ug/L	100	110	110	70-131	
Methyl-tert-butyl ether	ug/L	50	49.3	99	65-136	
Methylene Chloride	ug/L	50	53.4	107	72-133	
o-Xylene	ug/L	50	54.6	109	70-130	
Styrene	ug/L	50	52.0	104	70-130	
Tetrachloroethene	ug/L	50	52.0	104	70-130	
Toluene	ug/L	50	52.6	105	84-124	
trans-1,2-Dichloroethene	ug/L	50	55.3	111	70-133	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	67-130	
Trichloroethene	ug/L	50	52.9	106	70-130	
Trichlorofluoromethane	ug/L	50	56.8	114	69-147	
Vinyl chloride	ug/L	50	49.9	100	48-134	
4-Bromofluorobenzene (S)	%			103	70-130	
Dibromofluoromethane (S)	%			104	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1735087 1735088

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
		40173935001 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	54.8	55.5	110	111	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	51.3	52.3	103	105	67-133	2	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	51.9	53.1	104	106	70-130	2	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	57.5	58.0	115	116	70-139	1	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	56.9	57.1	114	114	72-137	0	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	46.2	47.3	92	95	68-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	47.7	49.6	95	99	60-130	4	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	50.9	51.4	102	103	70-130	1	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	49.6	50.6	99	101	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	51.5	51.9	103	104	71-137	1	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	53.0	53.9	106	108	78-130	2	20	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Parameter	Units	40173935001		1735087		1735088		% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec						
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.4	49.3	97	99	70-130	2	20		
1,4-Dichlorobenzene	ug/L	<0.94	50	50	49.2	49.7	98	99	70-130	1	20		
Benzene	ug/L	<0.25	50	50	52.3	52.4	105	105	66-143	0	20		
Bromodichloromethane	ug/L	<0.36	50	50	52.9	53.9	106	108	70-130	2	20		
Bromoform	ug/L	<4.0	50	50	47.6	48.4	95	97	64-134	2	20		
Bromomethane	ug/L	<0.97	50	50	35.3	37.7	71	75	29-136	6	25		
Carbon tetrachloride	ug/L	<0.17	50	50	54.9	55.7	110	111	73-142	2	20		
Chlorobenzene	ug/L	<0.71	50	50	51.0	52.2	102	104	70-130	2	20		
Chloroethane	ug/L	<1.3	50	50	55.5	55.7	111	111	58-138	0	20		
Chloroform	ug/L	<1.3	50	50	61.8	62.5	122	123	80-131	1	20		
Chloromethane	ug/L	<2.2	50	50	42.3	42.9	85	86	24-125	1	20		
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	55.3	56.1	111	112	68-137	1	22		
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	54.8	56.4	110	113	70-130	3	20		
Dibromochloromethane	ug/L	<2.6	50	50	51.7	52.7	103	105	70-131	2	20		
Dichlorodifluoromethane	ug/L	<0.50	50	50	32.4	32.7	65	65	10-127	1	20		
Ethylbenzene	ug/L	<0.22	50	50	53.3	54.6	107	109	81-136	3	20		
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	50.9	52.2	102	104	70-132	2	20		
m&p-Xylene	ug/L	<0.47	100	100	109	111	109	111	70-135	2	20		
Methyl-tert-butyl ether	ug/L	<1.2	50	50	50.4	51.1	101	102	58-142	1	23		
Methylene Chloride	ug/L	0.66J	50	50	54.4	55.0	107	109	69-137	1	20		
o-Xylene	ug/L	<0.26	50	50	52.9	54.5	106	109	70-132	3	20		
Styrene	ug/L	<0.47	50	50	51.4	52.2	103	104	70-130	1	20		
Tetrachloroethene	ug/L	0.38J	50	50	51.8	52.6	103	104	70-132	2	20		
Toluene	ug/L	<0.17	50	50	52.3	52.8	105	106	81-130	1	20		
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	55.9	56.4	112	113	70-136	1	20		
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	48.2	49.0	96	98	67-130	2	20		
Trichloroethene	ug/L	<0.26	50	50	53.9	53.9	108	108	70-131	0	20		
Trichlorofluoromethane	ug/L	<0.21	50	50	56.5	57.7	113	115	66-150	2	20		
Vinyl chloride	ug/L	<0.17	50	50	51.0	52.0	102	104	46-134	2	20		
4-Bromofluorobenzene (S)	%						102	103	70-130				
Dibromofluoromethane (S)	%						105	104	70-130				
Toluene-d8 (S)	%						100	100	70-130				

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QUALIFIERS

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

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 and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

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.

ANALYTE QUALIFIERS

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 BLOCK SYSTEM CLEANERS

Pace Project No.: 40173931

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40173931001	MW-8	EPA 8260	296995		
40173931002	MW-7	EPA 8260	296995		
40173931003	PZ-2	EPA 8260	296995		
40173931004	MW-9	EPA 8260	296995		
40173931005	MW-1	EPA 8260	296995		
40173931006	MW-2	EPA 8260	296995		
40173931007	MW-6	EPA 8260	296995		
40173931008	MW-5	EPA 8260	296995		
40173931009	PZ-3	EPA 8260	296995		
40173931010	PZ-4	EPA 8260	296995		
40173931011	MW-3	EPA 8260	296995		
40173931012	MW-4	EPA 8260	296995		
40173931013	PZ-1	EPA 8260	296995		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)



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

CHAIN OF CUSTODY

A=Name B=HCL C=H2SO4 D=Preservation Codes
 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

40173931

Company Name: **Penoy Earth**
 Branch/Location: **JASON BARNEY**
 Project Contact: **262-522-3520**
 Phone: **11-0604**
 Project Number: **Block System Cleanup**
 Project Name: **W1**
 Project State: **WI**
 Sampled By (Print): **JASON E. BARNEY**
 Sampled By (Sign): *[Signature]*
 PO #: **Regulatory Program:**

Data Package Options (billable):
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	
					V/N	Pick Letter
001	MW-8	8-7-18		SW	X	VOC
002	MW-7				X	
003	PZ-2				X	
004	MW-9				X	
005	MW-1				X	
006	MW-2				X	
007	MW-6				X	
008	MW-5				X	
009	PZ-3				X	
610	PZ-4				X	
011	MW-3				X	
012	MW-4				X	
013	PZ-1				X	

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

Relinquished By: *[Signature]* Date/Time: 8-10-18/1000
 Relinquished By: *[Signature]* Date/Time: 8/10/18/1410
 Relinquished By: *[Signature]* Date/Time: 8/11/18 0945
 Relinquished By: *[Signature]* Date/Time: 8/11/18 0945
 Received By: *[Signature]* Date/Time: 8/10/18/1000
 Received By: *[Signature]* Date/Time: 8/10/18/1410
 Received By: *[Signature]* Date/Time: 8/11/18 0945
 Received By: *[Signature]* Date/Time: 8/11/18 0945

Client Name: Randy Earth

Sample Preservation Receipt Form

Project # 40172931

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

Lab Lot# of pH paper:

Lab Sld #ID of preservation (if pH adjusted):

Initial when completed:

Date/Time:

Page 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)
001	AG1U	BP1U	DG9A	JGFU	SP5T							2.5 / 5 / 10
002	AG1H	BP2N	DG9T	WGFU	ZPLC							2.5 / 5 / 10
003	AG4S	BP2Z	VG9U	WPFU	GN							2.5 / 5 / 10
004	AG4U	BP3U	VG9H									2.5 / 5 / 10
005	AG5U	BP3C	VG9M									2.5 / 5 / 10
006	AG2S	BP3N	VG9D									2.5 / 5 / 10
007	BG3U	BP3S										2.5 / 5 / 10
008												2.5 / 5 / 10
009												2.5 / 5 / 10
010												2.5 / 5 / 10
011												2.5 / 5 / 10
012												2.5 / 5 / 10
013												2.5 / 5 / 10
014												2.5 / 5 / 10
015												2.5 / 5 / 10
016												2.5 / 5 / 10
017												2.5 / 5 / 10
018												2.5 / 5 / 10
019												2.5 / 5 / 10
020												2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, TOX, TOH, O&G, WI DRO, Phenolics, Other: _____

AG1U	BP1U	DG9A	JGFU	SP5T
1 liter amber glass	1 liter plastic unpres	40 ml amber ascorbic	4 oz amber jar unpres	120 ml plastic Na Thiosulfate
AG1H 1 liter amber glass HCL	BP2N 500 ml plastic HNO3	DG9T 40 ml amber Na Thio	WGFU 4 oz clear jar unpres	ZPLC ziploc bag
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	BP3C 250 ml plastic NaOH	VG9M 40 ml clear vial MeOH		
AG2S 500 ml amber glass H2SO4	BP3N 250 ml plastic HNO3	VG9D 40 ml clear vial DI		
BG3U 250 ml clear glass unpres	BP3S 250 ml plastic H2SO4			

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ready Earth

Project #: _____

WO#: **40173931**

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____



Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - 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: 8/14/18
 Initials: SSB

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. invoice info / page # deleted 8/14/18
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>W</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____

Date: 8/13/18

December 21, 2018

Jason Bartley
ReadyEarth Consulting, Inc.
P.O. Box 365
Pewaukee, WI 53072

RE: Project: 11-0604 BLOCK CLEANER
Pace Project No.: 40181245

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on December 19, 2018. 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

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

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SAMPLE SUMMARY

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40181245001	MW-8	Water	12/17/18 10:50	12/19/18 09:20
40181245002	MW-7	Water	12/17/18 11:10	12/19/18 09:20
40181245003	MW-9	Water	12/17/18 11:35	12/19/18 09:20
40181245004	PZ-2	Water	12/17/18 11:55	12/19/18 09:20
40181245005	PZ-3	Water	12/17/18 12:20	12/19/18 09:20
40181245006	MW-1	Water	12/17/18 12:50	12/19/18 09:20
40181245007	MW-5	Water	12/17/18 13:00	12/19/18 09:20
40181245008	MW-6	Water	12/17/18 13:15	12/19/18 09:20
40181245009	MW-2	Water	12/17/18 13:30	12/19/18 09:20
40181245010	PZ-4	Water	12/17/18 13:50	12/19/18 09:20
40181245011	MW-3	Water	12/17/18 14:10	12/19/18 09:20
40181245012	MW-4	Water	12/17/18 14:30	12/19/18 09:20
40181245013	PZ-1	Water	12/17/18 14:55	12/19/18 09:20

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SAMPLE ANALYTE COUNT

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40181245001	MW-8	EPA 8260	HNW	64
40181245002	MW-7	EPA 8260	HNW	64
40181245003	MW-9	EPA 8260	HNW	64
40181245004	PZ-2	EPA 8260	HNW	64
40181245005	PZ-3	EPA 8260	HNW	64
40181245006	MW-1	EPA 8260	HNW	64
40181245007	MW-5	EPA 8260	HNW	64
40181245008	MW-6	EPA 8260	HNW	64
40181245009	MW-2	EPA 8260	HNW	64
40181245010	PZ-4	EPA 8260	HNW	64
40181245011	MW-3	EPA 8260	HNW	64
40181245012	MW-4	EPA 8260	HNW	64
40181245013	PZ-1	EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-8 **Lab ID: 40181245001** Collected: 12/17/18 10:50 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 10:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 10:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 10:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 10:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 10:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 10:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 10:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 10:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 10:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 10:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 10:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 10:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 10:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 10:31	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 10:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 10:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 10:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 10:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 10:31	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 10:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 10:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 10:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 10:31	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 10:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 10:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 10:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 10:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 10:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 10:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 10:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 10:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 10:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 10:31	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/20/18 10:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 10:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 10:31	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 10:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 10:31	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 10:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 10:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 10:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 10:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 10:31	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 10:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 10:31	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/20/18 10:31	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-8 **Lab ID: 40181245001** Collected: 12/17/18 10:50 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 10:31	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 10:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 10:31	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 10:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 10:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 10:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 10:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 10:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 10:31	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 10:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 10:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 10:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 10:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 10:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 10:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/20/18 10:31	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		12/20/18 10:31	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		12/20/18 10:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-7 **Lab ID: 40181245002** Collected: 12/17/18 11:10 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 12:01	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 12:01	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:01	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 12:01	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 12:01	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 12:01	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 12:01	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 12:01	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 12:01	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 12:01	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 12:01	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 12:01	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 12:01	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:01	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:01	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:01	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 12:01	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 12:01	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 12:01	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 12:01	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 12:01	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 12:01	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 12:01	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 12:01	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 12:01	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 12:01	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 12:01	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 12:01	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 12:01	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 12:01	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:01	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 12:01	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 12:01	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/20/18 12:01	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 12:01	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 12:01	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 12:01	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 12:01	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 12:01	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 12:01	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 12:01	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 12:01	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 12:01	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 12:01	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 12:01	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/20/18 12:01	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-7 **Lab ID: 40181245002** Collected: 12/17/18 11:10 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 12:01	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 12:01	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 12:01	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 12:01	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 12:01	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 12:01	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 12:01	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:01	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 12:01	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 12:01	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 12:01	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 12:01	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 12:01	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 12:01	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 12:01	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/20/18 12:01	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/20/18 12:01	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		12/20/18 12:01	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-9 **Lab ID: 40181245003** Collected: 12/17/18 11:35 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 12:23	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 12:23	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:23	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 12:23	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 12:23	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 12:23	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 12:23	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 12:23	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 12:23	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 12:23	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 12:23	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 12:23	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 12:23	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:23	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:23	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:23	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 12:23	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 12:23	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 12:23	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 12:23	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 12:23	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 12:23	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 12:23	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 12:23	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 12:23	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 12:23	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 12:23	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 12:23	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 12:23	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 12:23	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:23	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 12:23	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 12:23	67-66-3	
Chloromethane	3.0J	ug/L	7.3	2.2	1		12/20/18 12:23	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 12:23	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 12:23	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 12:23	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 12:23	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 12:23	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 12:23	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 12:23	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 12:23	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 12:23	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 12:23	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 12:23	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		12/20/18 12:23	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-9 **Lab ID: 40181245003** Collected: 12/17/18 11:35 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 12:23	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 12:23	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 12:23	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 12:23	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 12:23	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 12:23	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 12:23	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:23	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 12:23	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 12:23	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 12:23	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 12:23	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 12:23	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 12:23	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 12:23	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/20/18 12:23	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/20/18 12:23	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		12/20/18 12:23	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-2 **Lab ID: 40181245004** Collected: 12/17/18 11:55 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 12:46	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 12:46	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:46	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 12:46	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 12:46	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 12:46	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 12:46	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 12:46	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 12:46	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 12:46	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 12:46	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 12:46	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 12:46	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:46	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:46	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 12:46	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 12:46	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 12:46	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 12:46	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 12:46	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 12:46	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 12:46	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 12:46	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 12:46	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 12:46	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 12:46	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 12:46	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 12:46	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 12:46	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 12:46	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:46	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 12:46	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 12:46	67-66-3	
Chloromethane	4.1J	ug/L	7.3	2.2	1		12/20/18 12:46	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 12:46	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 12:46	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 12:46	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 12:46	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 12:46	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 12:46	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 12:46	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 12:46	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 12:46	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 12:46	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 12:46	100-42-5	
Tetrachloroethene	0.68J	ug/L	1.1	0.33	1		12/20/18 12:46	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-2 **Lab ID: 40181245004** Collected: 12/17/18 11:55 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	0.27J	ug/L	5.0	0.17	1		12/20/18 12:46	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 12:46	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 12:46	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 12:46	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 12:46	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 12:46	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 12:46	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 12:46	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 12:46	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 12:46	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 12:46	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 12:46	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 12:46	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 12:46	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 12:46	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/20/18 12:46	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/20/18 12:46	1868-53-7	
Toluene-d8 (S)	106	%	70-130		1		12/20/18 12:46	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER
Pace Project No.: 40181245

Sample: PZ-3 **Lab ID: 40181245005** Collected: 12/17/18 12:20 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 13:08	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 13:08	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:08	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 13:08	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 13:08	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 13:08	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 13:08	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 13:08	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 13:08	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 13:08	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 13:08	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 13:08	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 13:08	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:08	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:08	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:08	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 13:08	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 13:08	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 13:08	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 13:08	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 13:08	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 13:08	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 13:08	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 13:08	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 13:08	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 13:08	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 13:08	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 13:08	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 13:08	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 13:08	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:08	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 13:08	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 13:08	67-66-3	
Chloromethane	7.0J	ug/L	7.3	2.2	1		12/20/18 13:08	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 13:08	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 13:08	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 13:08	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 13:08	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 13:08	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 13:08	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 13:08	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 13:08	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 13:08	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 13:08	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 13:08	100-42-5	
Tetrachloroethene	1.0J	ug/L	1.1	0.33	1		12/20/18 13:08	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-3 **Lab ID: 40181245005** Collected: 12/17/18 12:20 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 13:08	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 13:08	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 13:08	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 13:08	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 13:08	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 13:08	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 13:08	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:08	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 13:08	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 13:08	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 13:08	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 13:08	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 13:08	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 13:08	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 13:08	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/20/18 13:08	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/20/18 13:08	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/20/18 13:08	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-1 **Lab ID: 40181245006** Collected: 12/17/18 12:50 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 13:31	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 13:31	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:31	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 13:31	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 13:31	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 13:31	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 13:31	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 13:31	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 13:31	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 13:31	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 13:31	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 13:31	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 13:31	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:31	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:31	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:31	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 13:31	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 13:31	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 13:31	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 13:31	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 13:31	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 13:31	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 13:31	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 13:31	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 13:31	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 13:31	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 13:31	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 13:31	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 13:31	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 13:31	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:31	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 13:31	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 13:31	67-66-3	
Chloromethane	7.4	ug/L	7.3	2.2	1		12/20/18 13:31	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 13:31	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 13:31	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 13:31	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 13:31	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 13:31	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 13:31	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 13:31	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 13:31	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 13:31	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 13:31	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 13:31	100-42-5	
Tetrachloroethene	3.7	ug/L	1.1	0.33	1		12/20/18 13:31	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-1 **Lab ID: 40181245006** Collected: 12/17/18 12:50 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 13:31	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 13:31	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 13:31	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 13:31	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 13:31	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 13:31	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 13:31	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:31	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 13:31	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 13:31	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 13:31	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 13:31	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 13:31	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 13:31	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 13:31	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/20/18 13:31	460-00-4	
Dibromofluoromethane (S)	108	%	70-130		1		12/20/18 13:31	1868-53-7	
Toluene-d8 (S)	108	%	70-130		1		12/20/18 13:31	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-5 **Lab ID: 40181245007** Collected: 12/17/18 13:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 13:53	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 13:53	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:53	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 13:53	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 13:53	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 13:53	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 13:53	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 13:53	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 13:53	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 13:53	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 13:53	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 13:53	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 13:53	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:53	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:53	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 13:53	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 13:53	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 13:53	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 13:53	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 13:53	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 13:53	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 13:53	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 13:53	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 13:53	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 13:53	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 13:53	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 13:53	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 13:53	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 13:53	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 13:53	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:53	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 13:53	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 13:53	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/20/18 13:53	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 13:53	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 13:53	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 13:53	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 13:53	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 13:53	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 13:53	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 13:53	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 13:53	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 13:53	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 13:53	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 13:53	100-42-5	
Tetrachloroethene	3.5	ug/L	1.1	0.33	1		12/20/18 13:53	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-5 **Lab ID: 40181245007** Collected: 12/17/18 13:00 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 13:53	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 13:53	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 13:53	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 13:53	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 13:53	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 13:53	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 13:53	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 13:53	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 13:53	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 13:53	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 13:53	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 13:53	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 13:53	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 13:53	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 13:53	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/20/18 13:53	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/20/18 13:53	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/20/18 13:53	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-6 **Lab ID: 40181245008** Collected: 12/17/18 13:15 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 14:15	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 14:15	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 14:15	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 14:15	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 14:15	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 14:15	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 14:15	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 14:15	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 14:15	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 14:15	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 14:15	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 14:15	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 14:15	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 14:15	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 14:15	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 14:15	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 14:15	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 14:15	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 14:15	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 14:15	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 14:15	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 14:15	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 14:15	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 14:15	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 14:15	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 14:15	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 14:15	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 14:15	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 14:15	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 14:15	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 14:15	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 14:15	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 14:15	67-66-3	
Chloromethane	4.5J	ug/L	7.3	2.2	1		12/20/18 14:15	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 14:15	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 14:15	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 14:15	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 14:15	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 14:15	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 14:15	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 14:15	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 14:15	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 14:15	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 14:15	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 14:15	100-42-5	
Tetrachloroethene	6.1	ug/L	1.1	0.33	1		12/20/18 14:15	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-6 **Lab ID: 40181245008** Collected: 12/17/18 13:15 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 14:15	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 14:15	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 14:15	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 14:15	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 14:15	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 14:15	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 14:15	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 14:15	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 14:15	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 14:15	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 14:15	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 14:15	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 14:15	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 14:15	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 14:15	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	102	%	70-130		1		12/20/18 14:15	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/20/18 14:15	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/20/18 14:15	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-2 **Lab ID: 40181245009** Collected: 12/17/18 13:30 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 14:38	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 14:38	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 14:38	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 14:38	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 14:38	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 14:38	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 14:38	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 14:38	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 14:38	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 14:38	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 14:38	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 14:38	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 14:38	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 14:38	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 14:38	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 14:38	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 14:38	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 14:38	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 14:38	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 14:38	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 14:38	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 14:38	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 14:38	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 14:38	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 14:38	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 14:38	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 14:38	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 14:38	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 14:38	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 14:38	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 14:38	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 14:38	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 14:38	67-66-3	
Chloromethane	2.5J	ug/L	7.3	2.2	1		12/20/18 14:38	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 14:38	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 14:38	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 14:38	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 14:38	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 14:38	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 14:38	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 14:38	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 14:38	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 14:38	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 14:38	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 14:38	100-42-5	
Tetrachloroethene	8.9	ug/L	1.1	0.33	1		12/20/18 14:38	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-2 **Lab ID: 40181245009** Collected: 12/17/18 13:30 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 14:38	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		12/20/18 14:38	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 14:38	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 14:38	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 14:38	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 14:38	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 14:38	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 14:38	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 14:38	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 14:38	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 14:38	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 14:38	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 14:38	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 14:38	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 14:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	104	%	70-130		1		12/20/18 14:38	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/20/18 14:38	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/20/18 14:38	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-4 **Lab ID: 40181245010** Collected: 12/17/18 13:50 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 15:00	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 15:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 15:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 15:00	79-00-5	
1,1-Dichloroethane	0.63J	ug/L	1.0	0.27	1		12/20/18 15:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 15:00	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 15:00	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 15:00	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 15:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 15:00	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 15:00	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 15:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 15:00	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 15:00	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 15:00	107-06-2	
1,2-Dichloropropane	1.0	ug/L	1.0	0.28	1		12/20/18 15:00	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 15:00	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 15:00	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 15:00	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 15:00	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 15:00	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 15:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 15:00	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 15:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 15:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 15:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 15:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 15:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 15:00	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 15:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 15:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 15:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 15:00	67-66-3	
Chloromethane	3.1J	ug/L	7.3	2.2	1		12/20/18 15:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 15:00	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 15:00	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 15:00	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 15:00	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 15:00	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 15:00	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 15:00	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 15:00	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 15:00	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 15:00	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 15:00	100-42-5	
Tetrachloroethene	10.8	ug/L	1.1	0.33	1		12/20/18 15:00	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-4 **Lab ID: 40181245010** Collected: 12/17/18 13:50 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 15:00	108-88-3	
Trichloroethene	2.7	ug/L	1.0	0.26	1		12/20/18 15:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 15:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 15:00	75-01-4	
cis-1,2-Dichloroethene	0.40J	ug/L	1.0	0.27	1		12/20/18 15:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 15:00	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 15:00	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 15:00	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 15:00	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 15:00	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 15:00	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 15:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 15:00	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 15:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 15:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		1		12/20/18 15:00	460-00-4	
Dibromofluoromethane (S)	106	%	70-130		1		12/20/18 15:00	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/20/18 15:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-3 **Lab ID: 40181245011** Collected: 12/17/18 14:10 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		12/20/18 10:54	630-20-6	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		12/20/18 10:54	71-55-6	
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		12/20/18 10:54	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		12/20/18 10:54	79-00-5	
1,1-Dichloroethane	<0.55	ug/L	2.0	0.55	2		12/20/18 10:54	75-34-3	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		12/20/18 10:54	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		12/20/18 10:54	563-58-6	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		12/20/18 10:54	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		12/20/18 10:54	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		12/20/18 10:54	120-82-1	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.6	1.7	2		12/20/18 10:54	95-63-6	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		12/20/18 10:54	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		12/20/18 10:54	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		12/20/18 10:54	95-50-1	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		12/20/18 10:54	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		12/20/18 10:54	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		12/20/18 10:54	108-67-8	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		12/20/18 10:54	541-73-1	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		12/20/18 10:54	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		12/20/18 10:54	106-46-7	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		12/20/18 10:54	594-20-7	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		12/20/18 10:54	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		12/20/18 10:54	106-43-4	
Benzene	<0.49	ug/L	2.0	0.49	2		12/20/18 10:54	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		12/20/18 10:54	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		12/20/18 10:54	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		12/20/18 10:54	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		12/20/18 10:54	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		12/20/18 10:54	74-83-9	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		12/20/18 10:54	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		12/20/18 10:54	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		12/20/18 10:54	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		12/20/18 10:54	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		12/20/18 10:54	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		12/20/18 10:54	124-48-1	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		12/20/18 10:54	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		12/20/18 10:54	75-71-8	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		12/20/18 10:54	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		12/20/18 10:54	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		12/20/18 10:54	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	10.0	0.79	2		12/20/18 10:54	98-82-8	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		12/20/18 10:54	1634-04-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		12/20/18 10:54	75-09-2	
Naphthalene	<2.4	ug/L	10.0	2.4	2		12/20/18 10:54	91-20-3	
Styrene	<0.93	ug/L	3.1	0.93	2		12/20/18 10:54	100-42-5	
Tetrachloroethene	162	ug/L	2.2	0.65	2		12/20/18 10:54	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-3 **Lab ID: 40181245011** Collected: 12/17/18 14:10 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.34	ug/L	10.0	0.34	2		12/20/18 10:54	108-88-3	
Trichloroethene	6.0	ug/L	2.0	0.51	2		12/20/18 10:54	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		12/20/18 10:54	75-69-4	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		12/20/18 10:54	75-01-4	
cis-1,2-Dichloroethene	2.1	ug/L	2.0	0.54	2		12/20/18 10:54	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		12/20/18 10:54	10061-01-5	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		12/20/18 10:54	179601-23-1	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		12/20/18 10:54	104-51-8	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		12/20/18 10:54	103-65-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		12/20/18 10:54	95-47-6	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		12/20/18 10:54	99-87-6	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		12/20/18 10:54	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		12/20/18 10:54	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		12/20/18 10:54	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		12/20/18 10:54	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		2		12/20/18 10:54	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		2		12/20/18 10:54	1868-53-7	
Toluene-d8 (S)	107	%	70-130		2		12/20/18 10:54	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-4 Lab ID: 40181245012 Collected: 12/17/18 14:30 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 18:00	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		12/20/18 18:00	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 18:00	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		12/20/18 18:00	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		12/20/18 18:00	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		12/20/18 18:00	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		12/20/18 18:00	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		12/20/18 18:00	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		12/20/18 18:00	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		12/20/18 18:00	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		12/20/18 18:00	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		12/20/18 18:00	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		12/20/18 18:00	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 18:00	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		12/20/18 18:00	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		12/20/18 18:00	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		12/20/18 18:00	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		12/20/18 18:00	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		12/20/18 18:00	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		12/20/18 18:00	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		12/20/18 18:00	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		12/20/18 18:00	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		12/20/18 18:00	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		12/20/18 18:00	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		12/20/18 18:00	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		12/20/18 18:00	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		12/20/18 18:00	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		12/20/18 18:00	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		12/20/18 18:00	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		12/20/18 18:00	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 18:00	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		12/20/18 18:00	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		12/20/18 18:00	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		12/20/18 18:00	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		12/20/18 18:00	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		12/20/18 18:00	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		12/20/18 18:00	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		12/20/18 18:00	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		12/20/18 18:00	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		12/20/18 18:00	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		12/20/18 18:00	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		12/20/18 18:00	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		12/20/18 18:00	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		12/20/18 18:00	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		12/20/18 18:00	100-42-5	
Tetrachloroethene	82.3	ug/L	1.1	0.33	1		12/20/18 18:00	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: MW-4 **Lab ID: 40181245012** Collected: 12/17/18 14:30 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		12/20/18 18:00	108-88-3	
Trichloroethene	7.6	ug/L	1.0	0.26	1		12/20/18 18:00	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		12/20/18 18:00	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		12/20/18 18:00	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		12/20/18 18:00	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		12/20/18 18:00	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		12/20/18 18:00	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		12/20/18 18:00	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		12/20/18 18:00	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		12/20/18 18:00	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		12/20/18 18:00	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		12/20/18 18:00	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		12/20/18 18:00	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		12/20/18 18:00	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		12/20/18 18:00	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	105	%	70-130		1		12/20/18 18:00	460-00-4	
Dibromofluoromethane (S)	107	%	70-130		1		12/20/18 18:00	1868-53-7	
Toluene-d8 (S)	107	%	70-130		1		12/20/18 18:00	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-1 **Lab ID: 40181245013** Collected: 12/17/18 14:55 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		12/20/18 11:38	630-20-6	
1,1,1-Trichloroethane	<0.98	ug/L	4.0	0.98	4		12/20/18 11:38	71-55-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		12/20/18 11:38	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		12/20/18 11:38	79-00-5	
1,1-Dichloroethane	30.2	ug/L	4.0	1.1	4		12/20/18 11:38	75-34-3	
1,1-Dichloroethene	2.6J	ug/L	4.0	0.98	4		12/20/18 11:38	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		12/20/18 11:38	563-58-6	
1,2,3-Trichlorobenzene	<2.5	ug/L	20.0	2.5	4		12/20/18 11:38	87-61-6	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		12/20/18 11:38	96-18-4	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		12/20/18 11:38	120-82-1	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		12/20/18 11:38	95-63-6	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		12/20/18 11:38	96-12-8	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		12/20/18 11:38	106-93-4	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		12/20/18 11:38	95-50-1	
1,2-Dichloroethane	<1.1	ug/L	4.0	1.1	4		12/20/18 11:38	107-06-2	
1,2-Dichloropropane	87.0	ug/L	4.0	1.1	4		12/20/18 11:38	78-87-5	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		12/20/18 11:38	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		12/20/18 11:38	541-73-1	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		12/20/18 11:38	142-28-9	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		12/20/18 11:38	106-46-7	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		12/20/18 11:38	594-20-7	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		12/20/18 11:38	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		12/20/18 11:38	106-43-4	
Benzene	<0.99	ug/L	4.0	0.99	4		12/20/18 11:38	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		12/20/18 11:38	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		12/20/18 11:38	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		12/20/18 11:38	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		12/20/18 11:38	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		12/20/18 11:38	74-83-9	
Carbon tetrachloride	<0.66	ug/L	4.0	0.66	4		12/20/18 11:38	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		12/20/18 11:38	108-90-7	
Chloroethane	<5.4	ug/L	20.0	5.4	4		12/20/18 11:38	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		12/20/18 11:38	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		12/20/18 11:38	74-87-3	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		12/20/18 11:38	124-48-1	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		12/20/18 11:38	74-95-3	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		12/20/18 11:38	75-71-8	
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		12/20/18 11:38	108-20-3	
Ethylbenzene	<0.87	ug/L	4.0	0.87	4		12/20/18 11:38	100-41-4	
Hexachloro-1,3-butadiene	<4.7	ug/L	20.0	4.7	4		12/20/18 11:38	87-68-3	
Isopropylbenzene (Cumene)	<1.6	ug/L	20.0	1.6	4		12/20/18 11:38	98-82-8	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		12/20/18 11:38	1634-04-4	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		12/20/18 11:38	75-09-2	
Naphthalene	<4.7	ug/L	20.0	4.7	4		12/20/18 11:38	91-20-3	
Styrene	<1.9	ug/L	6.2	1.9	4		12/20/18 11:38	100-42-5	
Tetrachloroethene	439	ug/L	4.4	1.3	4		12/20/18 11:38	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Sample: PZ-1 **Lab ID: 40181245013** Collected: 12/17/18 14:55 Received: 12/19/18 09:20 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.69	ug/L	20.0	0.69	4		12/20/18 11:38	108-88-3	
Trichloroethene	152	ug/L	4.0	1.0	4		12/20/18 11:38	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		12/20/18 11:38	75-69-4	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		12/20/18 11:38	75-01-4	
cis-1,2-Dichloroethene	9.5	ug/L	4.0	1.1	4		12/20/18 11:38	156-59-2	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		12/20/18 11:38	10061-01-5	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		12/20/18 11:38	179601-23-1	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		12/20/18 11:38	104-51-8	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		12/20/18 11:38	103-65-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		12/20/18 11:38	95-47-6	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		12/20/18 11:38	99-87-6	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		12/20/18 11:38	135-98-8	
tert-Butylbenzene	1.4J	ug/L	4.1	1.2	4		12/20/18 11:38	98-06-6	
trans-1,2-Dichloroethene	<4.4	ug/L	14.5	4.4	4		12/20/18 11:38	156-60-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		12/20/18 11:38	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	103	%	70-130		4		12/20/18 11:38	460-00-4	
Dibromofluoromethane (S)	105	%	70-130		4		12/20/18 11:38	1868-53-7	
Toluene-d8 (S)	105	%	70-130		4		12/20/18 11:38	2037-26-5	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

QC Batch: 309714 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40181245001, 40181245002, 40181245003, 40181245004, 40181245005, 40181245006, 40181245007, 40181245008, 40181245009, 40181245010, 40181245011, 40181245012, 40181245013

METHOD BLANK: 1808951 Matrix: Water
Associated Lab Samples: 40181245001, 40181245002, 40181245003, 40181245004, 40181245005, 40181245006, 40181245007, 40181245008, 40181245009, 40181245010, 40181245011, 40181245012, 40181245013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	12/20/18 08:16	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	12/20/18 08:16	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	12/20/18 08:16	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	12/20/18 08:16	
1,1-Dichloroethane	ug/L	<0.27	1.0	12/20/18 08:16	
1,1-Dichloroethene	ug/L	<0.24	1.0	12/20/18 08:16	
1,1-Dichloropropene	ug/L	<0.54	1.8	12/20/18 08:16	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	12/20/18 08:16	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	12/20/18 08:16	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	12/20/18 08:16	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	12/20/18 08:16	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	12/20/18 08:16	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	12/20/18 08:16	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	12/20/18 08:16	
1,2-Dichloroethane	ug/L	<0.28	1.0	12/20/18 08:16	
1,2-Dichloropropane	ug/L	<0.28	1.0	12/20/18 08:16	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	12/20/18 08:16	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	12/20/18 08:16	
1,3-Dichloropropane	ug/L	<0.83	2.8	12/20/18 08:16	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	12/20/18 08:16	
2,2-Dichloropropane	ug/L	<2.3	7.6	12/20/18 08:16	
2-Chlorotoluene	ug/L	<0.93	5.0	12/20/18 08:16	
4-Chlorotoluene	ug/L	<0.76	2.5	12/20/18 08:16	
Benzene	ug/L	<0.25	1.0	12/20/18 08:16	
Bromobenzene	ug/L	<0.24	1.0	12/20/18 08:16	
Bromochloromethane	ug/L	<0.36	5.0	12/20/18 08:16	
Bromodichloromethane	ug/L	<0.36	1.2	12/20/18 08:16	
Bromoform	ug/L	<4.0	13.2	12/20/18 08:16	
Bromomethane	ug/L	<0.97	5.0	12/20/18 08:16	
Carbon tetrachloride	ug/L	<0.17	1.0	12/20/18 08:16	
Chlorobenzene	ug/L	<0.71	2.4	12/20/18 08:16	
Chloroethane	ug/L	<1.3	5.0	12/20/18 08:16	
Chloroform	ug/L	<1.3	5.0	12/20/18 08:16	
Chloromethane	ug/L	<2.2	7.3	12/20/18 08:16	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	12/20/18 08:16	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	12/20/18 08:16	
Dibromochloromethane	ug/L	<2.6	8.7	12/20/18 08:16	
Dibromomethane	ug/L	<0.94	3.1	12/20/18 08:16	
Dichlorodifluoromethane	ug/L	<0.50	5.0	12/20/18 08:16	
Diisopropyl ether	ug/L	<1.9	6.3	12/20/18 08:16	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

METHOD BLANK: 1808951

Matrix: Water

Associated Lab Samples: 40181245001, 40181245002, 40181245003, 40181245004, 40181245005, 40181245006, 40181245007, 40181245008, 40181245009, 40181245010, 40181245011, 40181245012, 40181245013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	12/20/18 08:16	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	12/20/18 08:16	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	12/20/18 08:16	
m&p-Xylene	ug/L	<0.47	2.0	12/20/18 08:16	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	12/20/18 08:16	
Methylene Chloride	ug/L	<0.58	5.0	12/20/18 08:16	
n-Butylbenzene	ug/L	<0.71	2.4	12/20/18 08:16	
n-Propylbenzene	ug/L	<0.81	5.0	12/20/18 08:16	
Naphthalene	ug/L	<1.2	5.0	12/20/18 08:16	
o-Xylene	ug/L	<0.26	1.0	12/20/18 08:16	
p-Isopropyltoluene	ug/L	<0.80	2.7	12/20/18 08:16	
sec-Butylbenzene	ug/L	<0.85	5.0	12/20/18 08:16	
Styrene	ug/L	<0.47	1.6	12/20/18 08:16	
tert-Butylbenzene	ug/L	<0.30	1.0	12/20/18 08:16	
Tetrachloroethene	ug/L	<0.33	1.1	12/20/18 08:16	
Toluene	ug/L	<0.17	5.0	12/20/18 08:16	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	12/20/18 08:16	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	12/20/18 08:16	
Trichloroethene	ug/L	<0.26	1.0	12/20/18 08:16	
Trichlorofluoromethane	ug/L	<0.21	1.0	12/20/18 08:16	
Vinyl chloride	ug/L	<0.17	1.0	12/20/18 08:16	
4-Bromofluorobenzene (S)	%	103	70-130	12/20/18 08:16	
Dibromofluoromethane (S)	%	102	70-130	12/20/18 08:16	
Toluene-d8 (S)	%	106	70-130	12/20/18 08:16	

LABORATORY CONTROL SAMPLE: 1808952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	50.7	101	70-133	
1,1,2,2-Tetrachloroethane	ug/L	50	60.7	121	67-130	
1,1,2-Trichloroethane	ug/L	50	64.8	130	70-130	
1,1-Dichloroethane	ug/L	50	52.6	105	70-134	
1,1-Dichloroethene	ug/L	50	47.6	95	75-132	
1,2,4-Trichlorobenzene	ug/L	50	54.3	109	68-130	
1,2-Dibromo-3-chloropropane	ug/L	50	57.3	115	60-126	
1,2-Dibromoethane (EDB)	ug/L	50	56.4	113	70-130	
1,2-Dichlorobenzene	ug/L	50	51.3	103	70-130	
1,2-Dichloroethane	ug/L	50	58.4	117	73-134	
1,2-Dichloropropane	ug/L	50	59.0	118	79-128	
1,3-Dichlorobenzene	ug/L	50	49.7	99	70-130	
1,4-Dichlorobenzene	ug/L	50	51.6	103	70-130	
Benzene	ug/L	50	55.4	111	69-137	
Bromodichloromethane	ug/L	50	59.8	120	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

LABORATORY CONTROL SAMPLE: 1808952

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	65.9	132	64-133	
Bromomethane	ug/L	50	30.9	62	29-123	
Carbon tetrachloride	ug/L	50	52.4	105	73-142	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	49.1	98	59-133	
Chloroform	ug/L	50	49.8	100	80-129	
Chloromethane	ug/L	50	29.3	59	27-125	
cis-1,2-Dichloroethene	ug/L	50	48.8	98	70-134	
cis-1,3-Dichloropropene	ug/L	50	53.2	106	70-130	
Dibromochloromethane	ug/L	50	53.6	107	70-130	
Dichlorodifluoromethane	ug/L	50	26.0	52	12-127	
Ethylbenzene	ug/L	50	58.4	117	86-127	
Isopropylbenzene (Cumene)	ug/L	50	52.9	106	70-130	
m&p-Xylene	ug/L	100	108	108	70-131	
Methyl-tert-butyl ether	ug/L	50	45.9	92	65-136	
Methylene Chloride	ug/L	50	49.7	99	72-133	
o-Xylene	ug/L	50	52.2	104	70-130	
Styrene	ug/L	50	54.9	110	70-130	
Tetrachloroethene	ug/L	50	55.8	112	70-130	
Toluene	ug/L	50	56.3	113	84-124	
trans-1,2-Dichloroethene	ug/L	50	48.4	97	70-133	
trans-1,3-Dichloropropene	ug/L	50	55.1	110	67-130	
Trichloroethene	ug/L	50	57.4	115	70-130	
Trichlorofluoromethane	ug/L	50	55.9	112	69-147	
Vinyl chloride	ug/L	50	42.6	85	48-134	
4-Bromofluorobenzene (S)	%			114	70-130	
Dibromofluoromethane (S)	%			103	70-130	
Toluene-d8 (S)	%			107	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1808995 1808996

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40181245001 Result	Spike Conc.	Spike Conc.	Result							
1,1,1-Trichloroethane	ug/L	<0.24	50	50	49.6	50.3	99	101	70-136	1	20	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	61.6	62.3	123	125	67-133	1	20	
1,1,2-Trichloroethane	ug/L	<0.55	50	50	65.2	65.0	130	130	70-130	0	20	
1,1-Dichloroethane	ug/L	<0.27	50	50	52.8	52.7	106	105	70-139	0	20	
1,1-Dichloroethene	ug/L	<0.24	50	50	48.0	47.2	96	94	72-137	2	20	
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	52.9	54.4	106	109	68-130	3	20	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	56.3	57.9	113	116	60-130	3	21	
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	56.6	56.9	113	114	70-130	0	20	
1,2-Dichlorobenzene	ug/L	<0.71	50	50	50.2	51.0	100	102	70-130	2	20	
1,2-Dichloroethane	ug/L	<0.28	50	50	60.9	60.8	122	122	71-137	0	20	
1,2-Dichloropropane	ug/L	<0.28	50	50	58.9	59.3	118	119	78-130	1	20	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Parameter	Units	1808995		1808996		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40181245001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/L	<0.63	50	50	48.7	49.2	97	98	70-130	1	20	
1,4-Dichlorobenzene	ug/L	<0.94	50	50	50.9	51.2	102	102	70-130	0	20	
Benzene	ug/L	<0.25	50	50	55.1	55.3	110	111	66-143	0	20	
Bromodichloromethane	ug/L	<0.36	50	50	58.5	60.0	117	120	70-130	3	20	
Bromoform	ug/L	<4.0	50	50	66.7	66.7	133	133	64-134	0	20	
Bromomethane	ug/L	<0.97	50	50	43.3	47.0	86	93	29-136	8	25	
Carbon tetrachloride	ug/L	<0.17	50	50	52.1	52.1	104	104	73-142	0	20	
Chlorobenzene	ug/L	<0.71	50	50	51.6	52.1	103	104	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	50.2	50.7	100	101	58-138	1	20	
Chloroform	ug/L	<1.3	50	50	49.3	48.8	99	98	80-131	1	20	
Chloromethane	ug/L	<2.2	50	50	35.4	41.3	67	78	24-125	15	20	
cis-1,2-Dichloroethene	ug/L	<0.27	50	50	48.4	48.9	97	98	68-137	1	22	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	52.5	52.9	105	106	70-130	1	20	
Dibromochloromethane	ug/L	<2.6	50	50	53.6	53.7	107	107	70-131	0	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	34.9	34.3	70	69	10-127	2	20	
Ethylbenzene	ug/L	<0.22	50	50	57.7	58.0	115	116	81-136	0	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	52.9	53.1	106	106	70-132	0	20	
m&p-Xylene	ug/L	<0.47	100	100	108	108	108	108	70-135	0	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	46.4	46.2	93	92	58-142	0	23	
Methylene Chloride	ug/L	<0.58	50	50	49.2	49.3	98	99	69-137	0	20	
o-Xylene	ug/L	<0.26	50	50	51.8	52.2	104	104	70-132	1	20	
Styrene	ug/L	<0.47	50	50	54.6	54.4	109	109	70-130	0	20	
Tetrachloroethene	ug/L	<0.33	50	50	55.3	55.6	111	111	70-132	1	20	
Toluene	ug/L	<0.17	50	50	56.1	56.5	112	113	81-130	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	48.6	48.7	97	97	70-136	0	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	55.1	55.2	110	110	67-130	0	20	
Trichloroethene	ug/L	<0.26	50	50	55.6	56.1	111	112	70-131	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	57.2	56.9	114	114	66-150	0	20	
Vinyl chloride	ug/L	<0.17	50	50	43.5	43.4	87	87	46-134	0	20	
4-Bromofluorobenzene (S)	%						114	113	70-130			
Dibromofluoromethane (S)	%						103	102	70-130			
Toluene-d8 (S)	%						107	107	70-130			

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REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 BLOCK CLEANER

Pace Project No.: 40181245

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40181245001	MW-8	EPA 8260	309714		
40181245002	MW-7	EPA 8260	309714		
40181245003	MW-9	EPA 8260	309714		
40181245004	PZ-2	EPA 8260	309714		
40181245005	PZ-3	EPA 8260	309714		
40181245006	MW-1	EPA 8260	309714		
40181245007	MW-5	EPA 8260	309714		
40181245008	MW-6	EPA 8260	309714		
40181245009	MW-2	EPA 8260	309714		
40181245010	PZ-4	EPA 8260	309714		
40181245011	MW-3	EPA 8260	309714		
40181245012	MW-4	EPA 8260	309714		
40181245013	PZ-1	EPA 8260	309714		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: **ReadyEarth**
 Branch/Location: **Jason Bartley**
 Project Contact: **Jason Bartley**
 Phone: **262-522-3520**
 Project Number: **11-0604**
 Project Name: **BUCK CEMEX W1**
 Project State: **WI**
 Sampled By (Print): **JASON E BARTLEY**
 Sampled By (Sign): *[Signature]*
 PO #: **Regulator Program**



CHAIN OF CUSTODY

Preservation Codes:
 A=Name B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
 H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

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

Y/N	Filtered? (YES/NO)	Preservation (CODE)*
N		
B		

Analyses Requested

DATE	TIME	MATRIX	ANALYSES REQUESTED
12/18/18	10:00	6W	VOC
001	MW-8		
002	MW-7		
003	MW-9		
004	PZ-2		
005	PZ-3		
006	MW-1		
007	MW-5		
008	MW-6		
009	MW-2		
010	PZ-4		
011	MW-3		
012	MW-4		
013	PZ-1		

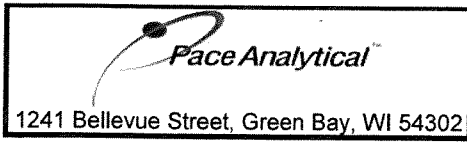
Quote #: _____
 Mail To Contact: _____
 Mail To Company: _____
 Mail To Address: **Jbartley@readyearth.net**
 Invoice To Contact: _____
 Invoice To Company: _____
 Invoice To Address: _____
 Invoice To Phone: _____
 CLIENT COMMENTS: _____
 LAB COMMENTS (Lab Use Only): _____
 Profile #: _____

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
 Data Package Options:
 EPA Level III, On your sample (billable)
 EPA Level IV, NOT needed on your sample
 Rush Turnaround Time Requested - Prelims (Rush TAT subject to approval/surcharge)
 Date Needed: _____

Requisitioned By: *[Signature]* Date/Time: 12-18-18 / 10:40
 Requisitioned By: *[Signature]* Date/Time: 12/18/18 / 14:00
 Requisitioned By: *[Signature]* Date/Time: 12/18/18 / 09:20
 Requisitioned By: _____ Date/Time: _____

Received By: *[Signature]* Date/Time: 12/18/18 10:40
 Received By: *[Signature]* Date/Time: 12/18/18 14:00
 Received By: *[Signature]* Date/Time: 12/18/18 09:20
 Received By: _____ Date/Time: _____

PACE Project No. **46181245**
 Receipt Temp = **20** °C
 Sample Receipt pH **OK / Adjusted**
 Caddis Custody Seal **Present / Not Present**
 Intact / Not Intact



Document Name: Sample Condition Upon Receipt (SCUR)
Document No.: F-GB-C-031-Rev.07

Document Revised: 25Apr2018
Issuing Authority: Pace Green Bay Quality Office

Sample Condition Upon Receipt Form (SCUR)

Client Name: Ready Earth

Project #: _____

WO#: **40181245**

Courier: CS Logistics Fed Ex Speedee UPS Walto
 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: _____ ICorr: 20

Temp Blank Present: yes no mlab Biological Tissue is Frozen: yes no

Person examining contents:
Date: 12/19/18
Initials: CS

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

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>page #, invoice to</u> <u>CS 12/19/18</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A		
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>no times</u>
-Includes date/time/ID/Analysis Matrix: <u>W</u>		<u>CS 12/19/18</u>
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____		

Client Notification/ Resolution: _____ If checked, see attached form for additional comments
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 12/19/18

April 18, 2019

Jason Bartley
ReadyEarth Consulting, Inc.
P.O. Box 365
Pewaukee, WI 53072

RE: Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185854

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

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

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SAMPLE SUMMARY

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185854001	MW-8	Water	04/13/19 00:00	04/16/19 09:30
40185854002	MW-7	Water	04/13/19 00:00	04/16/19 09:30
40185854003	MW-9	Water	04/13/19 00:00	04/16/19 09:30
40185854004	PZ-2	Water	04/13/19 00:00	04/16/19 09:30
40185854005	PZ-3	Water	04/13/19 00:00	04/16/19 09:30
40185854006	MW-1	Water	04/13/19 00:00	04/16/19 09:30
40185854007	MW-5	Water	04/13/19 00:00	04/16/19 09:30
40185854008	MW-6	Water	04/13/19 00:00	04/16/19 09:30
40185854009	PZ-4	Water	04/13/19 00:00	04/16/19 09:30
40185854010	MW-3	Water	04/13/19 00:00	04/16/19 09:30
40185854011	PZ-1	Water	04/13/19 00:00	04/16/19 09:30
40185854012	TRIP BLANK	Water	04/13/19 00:00	04/16/19 09:30

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SAMPLE ANALYTE COUNT

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40185854001	MW-8	EPA 8260	LAP	64
40185854002	MW-7	EPA 8260	LAP	64
40185854003	MW-9	EPA 8260	LAP	64
40185854004	PZ-2	EPA 8260	LAP	64
40185854005	PZ-3	EPA 8260	LAP	64
40185854006	MW-1	EPA 8260	LAP	64
40185854007	MW-5	EPA 8260	LAP	64
40185854008	MW-6	EPA 8260	LAP	64
40185854009	PZ-4	EPA 8260	LAP	64
40185854010	MW-3	EPA 8260	LAP	64
40185854011	PZ-1	EPA 8260	LAP	64
40185854012	TRIP BLANK	EPA 8260	HNW	64

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-8 **Lab ID: 40185854001** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 20:21	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 20:21	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 20:21	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 20:21	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 20:21	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 20:21	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 20:21	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 20:21	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 20:21	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 20:21	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 20:21	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 20:21	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 20:21	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 20:21	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 20:21	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 20:21	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 20:21	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 20:21	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 20:21	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 20:21	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 20:21	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 20:21	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 20:21	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 20:21	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 20:21	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 20:21	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 20:21	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 20:21	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 20:21	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 20:21	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 20:21	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 20:21	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 20:21	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 20:21	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 20:21	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 20:21	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 20:21	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 20:21	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 20:21	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 20:21	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 20:21	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 20:21	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 20:21	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 20:21	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 20:21	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/17/19 20:21	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-8 **Lab ID: 40185854001** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	0.24J	ug/L	5.0	0.17	1		04/17/19 20:21	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 20:21	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 20:21	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 20:21	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 20:21	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 20:21	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 20:21	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 20:21	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 20:21	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 20:21	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 20:21	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 20:21	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 20:21	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 20:21	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 20:21	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/17/19 20:21	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		1		04/17/19 20:21	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/17/19 20:21	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-7 **Lab ID: 40185854002** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 20:43	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 20:43	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 20:43	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 20:43	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 20:43	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 20:43	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 20:43	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 20:43	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 20:43	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 20:43	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 20:43	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 20:43	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 20:43	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 20:43	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 20:43	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 20:43	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 20:43	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 20:43	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 20:43	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 20:43	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 20:43	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 20:43	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 20:43	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 20:43	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 20:43	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 20:43	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 20:43	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 20:43	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 20:43	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 20:43	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 20:43	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 20:43	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 20:43	67-66-3	
Chloromethane	2.5J	ug/L	7.3	2.2	1		04/17/19 20:43	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 20:43	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 20:43	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 20:43	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 20:43	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 20:43	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 20:43	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 20:43	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 20:43	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 20:43	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 20:43	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 20:43	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/17/19 20:43	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-7 **Lab ID: 40185854002** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 20:43	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 20:43	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 20:43	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 20:43	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 20:43	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 20:43	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 20:43	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 20:43	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 20:43	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 20:43	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 20:43	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 20:43	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 20:43	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 20:43	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 20:43	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	80	%	70-130		1		04/17/19 20:43	460-00-4	
Dibromofluoromethane (S)	104	%	70-130		1		04/17/19 20:43	1868-53-7	
Toluene-d8 (S)	101	%	70-130		1		04/17/19 20:43	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-9 **Lab ID: 40185854003** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 21:05	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 21:05	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:05	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 21:05	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 21:05	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 21:05	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 21:05	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 21:05	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 21:05	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 21:05	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 21:05	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 21:05	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 21:05	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:05	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:05	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:05	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 21:05	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 21:05	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 21:05	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 21:05	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 21:05	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 21:05	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 21:05	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 21:05	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 21:05	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 21:05	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 21:05	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 21:05	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 21:05	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 21:05	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:05	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 21:05	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 21:05	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 21:05	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 21:05	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 21:05	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 21:05	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 21:05	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 21:05	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 21:05	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 21:05	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 21:05	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 21:05	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 21:05	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 21:05	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/17/19 21:05	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-9 **Lab ID: 40185854003** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 21:05	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 21:05	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 21:05	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 21:05	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 21:05	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 21:05	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 21:05	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:05	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 21:05	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 21:05	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 21:05	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 21:05	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 21:05	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 21:05	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 21:05	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/17/19 21:05	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/17/19 21:05	1868-53-7	
Toluene-d8 (S)	99	%	70-130		1		04/17/19 21:05	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-2 **Lab ID: 40185854004** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 21:27	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 21:27	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:27	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 21:27	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 21:27	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 21:27	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 21:27	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 21:27	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 21:27	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 21:27	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 21:27	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 21:27	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 21:27	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:27	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:27	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:27	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 21:27	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 21:27	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 21:27	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 21:27	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 21:27	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 21:27	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 21:27	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 21:27	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 21:27	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 21:27	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 21:27	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 21:27	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 21:27	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 21:27	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:27	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 21:27	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 21:27	67-66-3	
Chloromethane	4.3J	ug/L	7.3	2.2	1		04/17/19 21:27	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 21:27	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 21:27	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 21:27	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 21:27	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 21:27	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 21:27	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 21:27	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 21:27	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 21:27	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 21:27	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 21:27	100-42-5	
Tetrachloroethene	0.36J	ug/L	1.1	0.33	1		04/17/19 21:27	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185854

Sample: PZ-2 **Lab ID: 40185854004** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 21:27	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 21:27	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 21:27	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 21:27	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 21:27	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 21:27	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 21:27	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:27	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 21:27	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 21:27	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 21:27	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 21:27	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 21:27	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 21:27	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 21:27	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/17/19 21:27	460-00-4	
Dibromofluoromethane (S)	103	%	70-130		1		04/17/19 21:27	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/17/19 21:27	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-3 **Lab ID: 40185854005** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 21:50	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 21:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 21:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 21:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 21:50	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 21:50	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 21:50	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 21:50	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 21:50	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 21:50	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 21:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 21:50	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:50	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 21:50	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 21:50	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 21:50	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 21:50	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 21:50	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 21:50	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 21:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 21:50	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 21:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 21:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 21:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 21:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 21:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 21:50	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 21:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 21:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 21:50	67-66-3	
Chloromethane	2.5J	ug/L	7.3	2.2	1		04/17/19 21:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 21:50	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 21:50	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 21:50	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 21:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 21:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 21:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 21:50	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 21:50	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 21:50	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 21:50	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 21:50	100-42-5	
Tetrachloroethene	1.7	ug/L	1.1	0.33	1		04/17/19 21:50	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-3 **Lab ID: 40185854005** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 21:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 21:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 21:50	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 21:50	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 21:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 21:50	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 21:50	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 21:50	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 21:50	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 21:50	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 21:50	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 21:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 21:50	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 21:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 21:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	70-130		1		04/17/19 21:50	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		04/17/19 21:50	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/17/19 21:50	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-1 **Lab ID: 40185854006** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 22:12	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 22:12	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:12	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 22:12	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 22:12	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 22:12	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 22:12	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 22:12	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 22:12	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 22:12	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 22:12	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 22:12	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 22:12	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:12	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:12	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:12	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 22:12	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 22:12	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 22:12	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 22:12	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 22:12	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 22:12	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 22:12	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 22:12	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 22:12	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 22:12	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 22:12	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 22:12	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 22:12	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 22:12	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:12	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 22:12	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 22:12	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 22:12	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 22:12	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 22:12	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 22:12	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 22:12	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 22:12	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 22:12	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 22:12	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 22:12	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 22:12	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 22:12	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 22:12	100-42-5	
Tetrachloroethene	2.8	ug/L	1.1	0.33	1		04/17/19 22:12	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-1 **Lab ID: 40185854006** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 22:12	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 22:12	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 22:12	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 22:12	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 22:12	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 22:12	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 22:12	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:12	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 22:12	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 22:12	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 22:12	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 22:12	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 22:12	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 22:12	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 22:12	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		1		04/17/19 22:12	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/17/19 22:12	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/17/19 22:12	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-5 **Lab ID: 40185854007** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 22:34	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 22:34	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:34	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 22:34	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 22:34	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 22:34	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 22:34	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 22:34	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 22:34	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 22:34	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 22:34	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 22:34	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 22:34	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:34	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:34	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:34	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 22:34	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 22:34	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 22:34	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 22:34	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 22:34	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 22:34	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 22:34	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 22:34	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 22:34	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 22:34	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 22:34	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 22:34	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 22:34	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 22:34	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:34	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 22:34	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 22:34	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 22:34	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 22:34	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 22:34	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 22:34	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 22:34	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 22:34	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 22:34	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 22:34	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 22:34	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 22:34	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 22:34	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 22:34	100-42-5	
Tetrachloroethene	4.5	ug/L	1.1	0.33	1		04/17/19 22:34	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-5 **Lab ID: 40185854007** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 22:34	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 22:34	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 22:34	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 22:34	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 22:34	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 22:34	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 22:34	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:34	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 22:34	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 22:34	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 22:34	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 22:34	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 22:34	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 22:34	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 22:34	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	79	%	70-130		1		04/17/19 22:34	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/17/19 22:34	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/17/19 22:34	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-6 **Lab ID: 40185854008** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 22:56	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 22:56	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:56	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 22:56	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 22:56	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 22:56	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 22:56	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 22:56	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 22:56	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 22:56	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 22:56	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 22:56	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 22:56	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:56	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:56	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 22:56	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 22:56	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 22:56	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 22:56	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 22:56	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 22:56	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 22:56	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 22:56	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 22:56	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 22:56	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 22:56	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 22:56	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 22:56	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 22:56	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 22:56	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:56	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 22:56	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 22:56	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 22:56	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 22:56	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 22:56	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 22:56	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 22:56	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 22:56	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 22:56	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 22:56	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 22:56	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 22:56	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 22:56	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 22:56	100-42-5	
Tetrachloroethene	4.7	ug/L	1.1	0.33	1		04/17/19 22:56	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-6 **Lab ID: 40185854008** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 22:56	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 22:56	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 22:56	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 22:56	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 22:56	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 22:56	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 22:56	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 22:56	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 22:56	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 22:56	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 22:56	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 22:56	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 22:56	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 22:56	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 22:56	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	84	%	70-130		1		04/17/19 22:56	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/17/19 22:56	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		04/17/19 22:56	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-4 **Lab ID: 40185854009** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 23:18	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 23:18	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 23:18	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 23:18	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 23:18	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 23:18	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 23:18	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 23:18	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 23:18	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 23:18	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 23:18	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 23:18	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 23:18	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 23:18	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 23:18	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 23:18	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 23:18	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 23:18	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 23:18	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 23:18	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 23:18	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 23:18	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 23:18	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 23:18	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 23:18	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 23:18	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 23:18	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 23:18	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 23:18	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 23:18	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 23:18	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 23:18	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 23:18	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 23:18	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 23:18	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 23:18	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 23:18	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 23:18	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 23:18	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 23:18	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 23:18	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 23:18	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 23:18	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 23:18	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 23:18	100-42-5	
Tetrachloroethene	5.4	ug/L	1.1	0.33	1		04/17/19 23:18	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-4 **Lab ID: 40185854009** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 23:18	108-88-3	
Trichloroethene	0.75J	ug/L	1.0	0.26	1		04/17/19 23:18	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 23:18	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 23:18	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 23:18	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 23:18	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 23:18	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 23:18	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 23:18	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 23:18	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 23:18	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 23:18	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 23:18	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 23:18	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 23:18	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	87	%	70-130		1		04/17/19 23:18	460-00-4	
Dibromofluoromethane (S)	100	%	70-130		1		04/17/19 23:18	1868-53-7	
Toluene-d8 (S)	98	%	70-130		1		04/17/19 23:18	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-3 **Lab ID: 40185854010** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.54	ug/L	2.0	0.54	2		04/18/19 00:47	630-20-6	
1,1,1-Trichloroethane	<0.49	ug/L	2.0	0.49	2		04/18/19 00:47	71-55-6	
1,1,2,2-Tetrachloroethane	<0.55	ug/L	2.0	0.55	2		04/18/19 00:47	79-34-5	
1,1,2-Trichloroethane	<1.1	ug/L	10.0	1.1	2		04/18/19 00:47	79-00-5	
1,1-Dichloroethane	<0.55	ug/L	2.0	0.55	2		04/18/19 00:47	75-34-3	
1,1-Dichloroethene	<0.49	ug/L	2.0	0.49	2		04/18/19 00:47	75-35-4	
1,1-Dichloropropene	<1.1	ug/L	3.6	1.1	2		04/18/19 00:47	563-58-6	
1,2,3-Trichlorobenzene	<1.3	ug/L	10.0	1.3	2		04/18/19 00:47	87-61-6	
1,2,3-Trichloropropane	<1.2	ug/L	10.0	1.2	2		04/18/19 00:47	96-18-4	
1,2,4-Trichlorobenzene	<1.9	ug/L	10.0	1.9	2		04/18/19 00:47	120-82-1	
1,2,4-Trimethylbenzene	<1.7	ug/L	5.6	1.7	2		04/18/19 00:47	95-63-6	
1,2-Dibromo-3-chloropropane	<3.5	ug/L	11.8	3.5	2		04/18/19 00:47	96-12-8	
1,2-Dibromoethane (EDB)	<1.7	ug/L	5.5	1.7	2		04/18/19 00:47	106-93-4	
1,2-Dichlorobenzene	<1.4	ug/L	4.7	1.4	2		04/18/19 00:47	95-50-1	
1,2-Dichloroethane	<0.56	ug/L	2.0	0.56	2		04/18/19 00:47	107-06-2	
1,2-Dichloropropane	<0.57	ug/L	2.0	0.57	2		04/18/19 00:47	78-87-5	
1,3,5-Trimethylbenzene	<1.7	ug/L	5.8	1.7	2		04/18/19 00:47	108-67-8	
1,3-Dichlorobenzene	<1.3	ug/L	4.2	1.3	2		04/18/19 00:47	541-73-1	
1,3-Dichloropropane	<1.7	ug/L	5.5	1.7	2		04/18/19 00:47	142-28-9	
1,4-Dichlorobenzene	<1.9	ug/L	6.3	1.9	2		04/18/19 00:47	106-46-7	
2,2-Dichloropropane	<4.5	ug/L	15.1	4.5	2		04/18/19 00:47	594-20-7	
2-Chlorotoluene	<1.9	ug/L	10.0	1.9	2		04/18/19 00:47	95-49-8	
4-Chlorotoluene	<1.5	ug/L	5.0	1.5	2		04/18/19 00:47	106-43-4	
Benzene	<0.49	ug/L	2.0	0.49	2		04/18/19 00:47	71-43-2	
Bromobenzene	<0.48	ug/L	2.0	0.48	2		04/18/19 00:47	108-86-1	
Bromochloromethane	<0.72	ug/L	10.0	0.72	2		04/18/19 00:47	74-97-5	
Bromodichloromethane	<0.73	ug/L	2.4	0.73	2		04/18/19 00:47	75-27-4	
Bromoform	<7.9	ug/L	26.5	7.9	2		04/18/19 00:47	75-25-2	
Bromomethane	<1.9	ug/L	10.0	1.9	2		04/18/19 00:47	74-83-9	
Carbon tetrachloride	<0.33	ug/L	2.0	0.33	2		04/18/19 00:47	56-23-5	
Chlorobenzene	<1.4	ug/L	4.7	1.4	2		04/18/19 00:47	108-90-7	
Chloroethane	<2.7	ug/L	10.0	2.7	2		04/18/19 00:47	75-00-3	
Chloroform	<2.5	ug/L	10.0	2.5	2		04/18/19 00:47	67-66-3	
Chloromethane	<4.4	ug/L	14.6	4.4	2		04/18/19 00:47	74-87-3	
Dibromochloromethane	<5.2	ug/L	17.3	5.2	2		04/18/19 00:47	124-48-1	
Dibromomethane	<1.9	ug/L	6.2	1.9	2		04/18/19 00:47	74-95-3	
Dichlorodifluoromethane	<1.0	ug/L	10.0	1.0	2		04/18/19 00:47	75-71-8	
Diisopropyl ether	<3.8	ug/L	12.6	3.8	2		04/18/19 00:47	108-20-3	
Ethylbenzene	<0.44	ug/L	2.0	0.44	2		04/18/19 00:47	100-41-4	
Hexachloro-1,3-butadiene	<2.4	ug/L	10.0	2.4	2		04/18/19 00:47	87-68-3	
Isopropylbenzene (Cumene)	<0.79	ug/L	10.0	0.79	2		04/18/19 00:47	98-82-8	
Methyl-tert-butyl ether	<2.5	ug/L	8.3	2.5	2		04/18/19 00:47	1634-04-4	
Methylene Chloride	<1.2	ug/L	10.0	1.2	2		04/18/19 00:47	75-09-2	
Naphthalene	<2.4	ug/L	10.0	2.4	2		04/18/19 00:47	91-20-3	
Styrene	<0.93	ug/L	3.1	0.93	2		04/18/19 00:47	100-42-5	
Tetrachloroethene	119	ug/L	2.2	0.65	2		04/18/19 00:47	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: MW-3 **Lab ID: 40185854010** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	1.4J	ug/L	10.0	0.34	2		04/18/19 00:47	108-88-3	
Trichloroethene	3.7	ug/L	2.0	0.51	2		04/18/19 00:47	79-01-6	
Trichlorofluoromethane	<0.43	ug/L	2.0	0.43	2		04/18/19 00:47	75-69-4	
Vinyl chloride	<0.35	ug/L	2.0	0.35	2		04/18/19 00:47	75-01-4	
cis-1,2-Dichloroethene	0.89J	ug/L	2.0	0.54	2		04/18/19 00:47	156-59-2	
cis-1,3-Dichloropropene	<7.3	ug/L	24.2	7.3	2		04/18/19 00:47	10061-01-5	
m&p-Xylene	<0.93	ug/L	4.0	0.93	2		04/18/19 00:47	179601-23-1	
n-Butylbenzene	<1.4	ug/L	4.7	1.4	2		04/18/19 00:47	104-51-8	
n-Propylbenzene	<1.6	ug/L	10.0	1.6	2		04/18/19 00:47	103-65-1	
o-Xylene	<0.52	ug/L	2.0	0.52	2		04/18/19 00:47	95-47-6	
p-Isopropyltoluene	<1.6	ug/L	5.3	1.6	2		04/18/19 00:47	99-87-6	
sec-Butylbenzene	<1.7	ug/L	10.0	1.7	2		04/18/19 00:47	135-98-8	
tert-Butylbenzene	<0.61	ug/L	2.0	0.61	2		04/18/19 00:47	98-06-6	
trans-1,2-Dichloroethene	<2.2	ug/L	7.3	2.2	2		04/18/19 00:47	156-60-5	
trans-1,3-Dichloropropene	<8.7	ug/L	29.1	8.7	2		04/18/19 00:47	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	85	%	70-130		2		04/18/19 00:47	460-00-4	
Dibromofluoromethane (S)	101	%	70-130		2		04/18/19 00:47	1868-53-7	
Toluene-d8 (S)	101	%	70-130		2		04/18/19 00:47	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-1 **Lab ID: 40185854011** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		04/18/19 01:09	630-20-6	
1,1,1-Trichloroethane	<0.98	ug/L	4.0	0.98	4		04/18/19 01:09	71-55-6	
1,1,2,2-Tetrachloroethane	<1.1	ug/L	4.0	1.1	4		04/18/19 01:09	79-34-5	
1,1,2-Trichloroethane	<2.2	ug/L	20.0	2.2	4		04/18/19 01:09	79-00-5	
1,1-Dichloroethane	19.8	ug/L	4.0	1.1	4		04/18/19 01:09	75-34-3	
1,1-Dichloroethene	1.8J	ug/L	4.0	0.98	4		04/18/19 01:09	75-35-4	
1,1-Dichloropropene	<2.2	ug/L	7.2	2.2	4		04/18/19 01:09	563-58-6	
1,2,3-Trichlorobenzene	<2.5	ug/L	20.0	2.5	4		04/18/19 01:09	87-61-6	
1,2,3-Trichloropropane	<2.4	ug/L	20.0	2.4	4		04/18/19 01:09	96-18-4	
1,2,4-Trichlorobenzene	<3.8	ug/L	20.0	3.8	4		04/18/19 01:09	120-82-1	
1,2,4-Trimethylbenzene	<3.4	ug/L	11.2	3.4	4		04/18/19 01:09	95-63-6	
1,2-Dibromo-3-chloropropane	<7.1	ug/L	23.5	7.1	4		04/18/19 01:09	96-12-8	
1,2-Dibromoethane (EDB)	<3.3	ug/L	11.1	3.3	4		04/18/19 01:09	106-93-4	
1,2-Dichlorobenzene	<2.8	ug/L	9.4	2.8	4		04/18/19 01:09	95-50-1	
1,2-Dichloroethane	<1.1	ug/L	4.0	1.1	4		04/18/19 01:09	107-06-2	
1,2-Dichloropropane	51.4	ug/L	4.0	1.1	4		04/18/19 01:09	78-87-5	
1,3,5-Trimethylbenzene	<3.5	ug/L	11.6	3.5	4		04/18/19 01:09	108-67-8	
1,3-Dichlorobenzene	<2.5	ug/L	8.4	2.5	4		04/18/19 01:09	541-73-1	
1,3-Dichloropropane	<3.3	ug/L	11.0	3.3	4		04/18/19 01:09	142-28-9	
1,4-Dichlorobenzene	<3.8	ug/L	12.6	3.8	4		04/18/19 01:09	106-46-7	
2,2-Dichloropropane	<9.1	ug/L	30.2	9.1	4		04/18/19 01:09	594-20-7	
2-Chlorotoluene	<3.7	ug/L	20.0	3.7	4		04/18/19 01:09	95-49-8	
4-Chlorotoluene	<3.0	ug/L	10.1	3.0	4		04/18/19 01:09	106-43-4	
Benzene	<0.99	ug/L	4.0	0.99	4		04/18/19 01:09	71-43-2	
Bromobenzene	<0.96	ug/L	4.0	0.96	4		04/18/19 01:09	108-86-1	
Bromochloromethane	<1.4	ug/L	20.0	1.4	4		04/18/19 01:09	74-97-5	
Bromodichloromethane	<1.5	ug/L	4.8	1.5	4		04/18/19 01:09	75-27-4	
Bromoform	<15.9	ug/L	53.0	15.9	4		04/18/19 01:09	75-25-2	
Bromomethane	<3.9	ug/L	20.0	3.9	4		04/18/19 01:09	74-83-9	
Carbon tetrachloride	<0.66	ug/L	4.0	0.66	4		04/18/19 01:09	56-23-5	
Chlorobenzene	<2.8	ug/L	9.5	2.8	4		04/18/19 01:09	108-90-7	
Chloroethane	<5.4	ug/L	20.0	5.4	4		04/18/19 01:09	75-00-3	
Chloroform	<5.1	ug/L	20.0	5.1	4		04/18/19 01:09	67-66-3	
Chloromethane	<8.8	ug/L	29.2	8.8	4		04/18/19 01:09	74-87-3	
Dibromochloromethane	<10.4	ug/L	34.7	10.4	4		04/18/19 01:09	124-48-1	
Dibromomethane	<3.7	ug/L	12.5	3.7	4		04/18/19 01:09	74-95-3	
Dichlorodifluoromethane	<2.0	ug/L	20.0	2.0	4		04/18/19 01:09	75-71-8	
Diisopropyl ether	<7.6	ug/L	25.2	7.6	4		04/18/19 01:09	108-20-3	
Ethylbenzene	<0.87	ug/L	4.0	0.87	4		04/18/19 01:09	100-41-4	
Hexachloro-1,3-butadiene	<4.7	ug/L	20.0	4.7	4		04/18/19 01:09	87-68-3	
Isopropylbenzene (Cumene)	<1.6	ug/L	20.0	1.6	4		04/18/19 01:09	98-82-8	
Methyl-tert-butyl ether	<5.0	ug/L	16.6	5.0	4		04/18/19 01:09	1634-04-4	
Methylene Chloride	<2.3	ug/L	20.0	2.3	4		04/18/19 01:09	75-09-2	
Naphthalene	<4.7	ug/L	20.0	4.7	4		04/18/19 01:09	91-20-3	
Styrene	<1.9	ug/L	6.2	1.9	4		04/18/19 01:09	100-42-5	
Tetrachloroethene	161	ug/L	4.4	1.3	4		04/18/19 01:09	127-18-4	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: PZ-1 **Lab ID: 40185854011** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV									
Analytical Method: EPA 8260									
Toluene	<0.69	ug/L	20.0	0.69	4		04/18/19 01:09	108-88-3	
Trichloroethene	99.8	ug/L	4.0	1.0	4		04/18/19 01:09	79-01-6	
Trichlorofluoromethane	<0.86	ug/L	4.0	0.86	4		04/18/19 01:09	75-69-4	
Vinyl chloride	<0.70	ug/L	4.0	0.70	4		04/18/19 01:09	75-01-4	
cis-1,2-Dichloroethene	17.1	ug/L	4.0	1.1	4		04/18/19 01:09	156-59-2	
cis-1,3-Dichloropropene	<14.5	ug/L	48.4	14.5	4		04/18/19 01:09	10061-01-5	
m&p-Xylene	<1.9	ug/L	8.0	1.9	4		04/18/19 01:09	179601-23-1	
n-Butylbenzene	<2.8	ug/L	9.4	2.8	4		04/18/19 01:09	104-51-8	
n-Propylbenzene	<3.2	ug/L	20.0	3.2	4		04/18/19 01:09	103-65-1	
o-Xylene	<1.0	ug/L	4.0	1.0	4		04/18/19 01:09	95-47-6	
p-Isopropyltoluene	<3.2	ug/L	10.7	3.2	4		04/18/19 01:09	99-87-6	
sec-Butylbenzene	<3.4	ug/L	20.0	3.4	4		04/18/19 01:09	135-98-8	
tert-Butylbenzene	<1.2	ug/L	4.1	1.2	4		04/18/19 01:09	98-06-6	
trans-1,2-Dichloroethene	<4.4	ug/L	14.5	4.4	4		04/18/19 01:09	156-60-5	
trans-1,3-Dichloropropene	<17.5	ug/L	58.3	17.5	4		04/18/19 01:09	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	82	%	70-130		4		04/18/19 01:09	460-00-4	
Dibromofluoromethane (S)	102	%	70-130		4		04/18/19 01:09	1868-53-7	
Toluene-d8 (S)	99	%	70-130		4		04/18/19 01:09	2037-26-5	

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: TRIP BLANK **Lab ID: 40185854012** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Analytical Method: EPA 8260									
1,1,1,2-Tetrachloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 10:50	630-20-6	
1,1,1-Trichloroethane	<0.24	ug/L	1.0	0.24	1		04/17/19 10:50	71-55-6	
1,1,2,2-Tetrachloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 10:50	79-34-5	
1,1,2-Trichloroethane	<0.55	ug/L	5.0	0.55	1		04/17/19 10:50	79-00-5	
1,1-Dichloroethane	<0.27	ug/L	1.0	0.27	1		04/17/19 10:50	75-34-3	
1,1-Dichloroethene	<0.24	ug/L	1.0	0.24	1		04/17/19 10:50	75-35-4	
1,1-Dichloropropene	<0.54	ug/L	1.8	0.54	1		04/17/19 10:50	563-58-6	
1,2,3-Trichlorobenzene	<0.63	ug/L	5.0	0.63	1		04/17/19 10:50	87-61-6	
1,2,3-Trichloropropane	<0.59	ug/L	5.0	0.59	1		04/17/19 10:50	96-18-4	
1,2,4-Trichlorobenzene	<0.95	ug/L	5.0	0.95	1		04/17/19 10:50	120-82-1	
1,2,4-Trimethylbenzene	<0.84	ug/L	2.8	0.84	1		04/17/19 10:50	95-63-6	
1,2-Dibromo-3-chloropropane	<1.8	ug/L	5.9	1.8	1		04/17/19 10:50	96-12-8	
1,2-Dibromoethane (EDB)	<0.83	ug/L	2.8	0.83	1		04/17/19 10:50	106-93-4	
1,2-Dichlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 10:50	95-50-1	
1,2-Dichloroethane	<0.28	ug/L	1.0	0.28	1		04/17/19 10:50	107-06-2	
1,2-Dichloropropane	<0.28	ug/L	1.0	0.28	1		04/17/19 10:50	78-87-5	
1,3,5-Trimethylbenzene	<0.87	ug/L	2.9	0.87	1		04/17/19 10:50	108-67-8	
1,3-Dichlorobenzene	<0.63	ug/L	2.1	0.63	1		04/17/19 10:50	541-73-1	
1,3-Dichloropropane	<0.83	ug/L	2.8	0.83	1		04/17/19 10:50	142-28-9	
1,4-Dichlorobenzene	<0.94	ug/L	3.1	0.94	1		04/17/19 10:50	106-46-7	
2,2-Dichloropropane	<2.3	ug/L	7.6	2.3	1		04/17/19 10:50	594-20-7	
2-Chlorotoluene	<0.93	ug/L	5.0	0.93	1		04/17/19 10:50	95-49-8	
4-Chlorotoluene	<0.76	ug/L	2.5	0.76	1		04/17/19 10:50	106-43-4	
Benzene	<0.25	ug/L	1.0	0.25	1		04/17/19 10:50	71-43-2	
Bromobenzene	<0.24	ug/L	1.0	0.24	1		04/17/19 10:50	108-86-1	
Bromochloromethane	<0.36	ug/L	5.0	0.36	1		04/17/19 10:50	74-97-5	
Bromodichloromethane	<0.36	ug/L	1.2	0.36	1		04/17/19 10:50	75-27-4	
Bromoform	<4.0	ug/L	13.2	4.0	1		04/17/19 10:50	75-25-2	
Bromomethane	<0.97	ug/L	5.0	0.97	1		04/17/19 10:50	74-83-9	
Carbon tetrachloride	<0.17	ug/L	1.0	0.17	1		04/17/19 10:50	56-23-5	
Chlorobenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 10:50	108-90-7	
Chloroethane	<1.3	ug/L	5.0	1.3	1		04/17/19 10:50	75-00-3	
Chloroform	<1.3	ug/L	5.0	1.3	1		04/17/19 10:50	67-66-3	
Chloromethane	<2.2	ug/L	7.3	2.2	1		04/17/19 10:50	74-87-3	
Dibromochloromethane	<2.6	ug/L	8.7	2.6	1		04/17/19 10:50	124-48-1	
Dibromomethane	<0.94	ug/L	3.1	0.94	1		04/17/19 10:50	74-95-3	
Dichlorodifluoromethane	<0.50	ug/L	5.0	0.50	1		04/17/19 10:50	75-71-8	
Diisopropyl ether	<1.9	ug/L	6.3	1.9	1		04/17/19 10:50	108-20-3	
Ethylbenzene	<0.22	ug/L	1.0	0.22	1		04/17/19 10:50	100-41-4	
Hexachloro-1,3-butadiene	<1.2	ug/L	5.0	1.2	1		04/17/19 10:50	87-68-3	
Isopropylbenzene (Cumene)	<0.39	ug/L	5.0	0.39	1		04/17/19 10:50	98-82-8	
Methyl-tert-butyl ether	<1.2	ug/L	4.2	1.2	1		04/17/19 10:50	1634-04-4	
Methylene Chloride	<0.58	ug/L	5.0	0.58	1		04/17/19 10:50	75-09-2	
Naphthalene	<1.2	ug/L	5.0	1.2	1		04/17/19 10:50	91-20-3	
Styrene	<0.47	ug/L	1.6	0.47	1		04/17/19 10:50	100-42-5	
Tetrachloroethene	<0.33	ug/L	1.1	0.33	1		04/17/19 10:50	127-18-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Sample: TRIP BLANK **Lab ID: 40185854012** Collected: 04/13/19 00:00 Received: 04/16/19 09:30 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV		Analytical Method: EPA 8260							
Toluene	<0.17	ug/L	5.0	0.17	1		04/17/19 10:50	108-88-3	
Trichloroethene	<0.26	ug/L	1.0	0.26	1		04/17/19 10:50	79-01-6	
Trichlorofluoromethane	<0.21	ug/L	1.0	0.21	1		04/17/19 10:50	75-69-4	
Vinyl chloride	<0.17	ug/L	1.0	0.17	1		04/17/19 10:50	75-01-4	
cis-1,2-Dichloroethene	<0.27	ug/L	1.0	0.27	1		04/17/19 10:50	156-59-2	
cis-1,3-Dichloropropene	<3.6	ug/L	12.1	3.6	1		04/17/19 10:50	10061-01-5	
m&p-Xylene	<0.47	ug/L	2.0	0.47	1		04/17/19 10:50	179601-23-1	
n-Butylbenzene	<0.71	ug/L	2.4	0.71	1		04/17/19 10:50	104-51-8	
n-Propylbenzene	<0.81	ug/L	5.0	0.81	1		04/17/19 10:50	103-65-1	
o-Xylene	<0.26	ug/L	1.0	0.26	1		04/17/19 10:50	95-47-6	
p-Isopropyltoluene	<0.80	ug/L	2.7	0.80	1		04/17/19 10:50	99-87-6	
sec-Butylbenzene	<0.85	ug/L	5.0	0.85	1		04/17/19 10:50	135-98-8	
tert-Butylbenzene	<0.30	ug/L	1.0	0.30	1		04/17/19 10:50	98-06-6	
trans-1,2-Dichloroethene	<1.1	ug/L	3.6	1.1	1		04/17/19 10:50	156-60-5	
trans-1,3-Dichloropropene	<4.4	ug/L	14.6	4.4	1		04/17/19 10:50	10061-02-6	
Surrogates									
4-Bromofluorobenzene (S)	91	%	70-130		1		04/17/19 10:50	460-00-4	
Dibromofluoromethane (S)	96	%	70-130		1		04/17/19 10:50	1868-53-7	
Toluene-d8 (S)	97	%	70-130		1		04/17/19 10:50	2037-26-5	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185854

QC Batch: 318576 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 40185854001, 40185854002, 40185854003, 40185854004, 40185854005, 40185854006, 40185854007, 40185854008, 40185854009, 40185854010, 40185854011

METHOD BLANK: 1851338 Matrix: Water
Associated Lab Samples: 40185854001, 40185854002, 40185854003, 40185854004, 40185854005, 40185854006, 40185854007, 40185854008, 40185854009, 40185854010, 40185854011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/17/19 14:28	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/17/19 14:28	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/17/19 14:28	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/17/19 14:28	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/17/19 14:28	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/17/19 14:28	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/17/19 14:28	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/17/19 14:28	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/17/19 14:28	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/17/19 14:28	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/17/19 14:28	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/17/19 14:28	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/17/19 14:28	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/17/19 14:28	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/17/19 14:28	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/17/19 14:28	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/17/19 14:28	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/17/19 14:28	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/17/19 14:28	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/17/19 14:28	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/17/19 14:28	
2-Chlorotoluene	ug/L	<0.93	5.0	04/17/19 14:28	
4-Chlorotoluene	ug/L	<0.76	2.5	04/17/19 14:28	
Benzene	ug/L	<0.25	1.0	04/17/19 14:28	
Bromobenzene	ug/L	<0.24	1.0	04/17/19 14:28	
Bromochloromethane	ug/L	<0.36	5.0	04/17/19 14:28	
Bromodichloromethane	ug/L	<0.36	1.2	04/17/19 14:28	
Bromoform	ug/L	<4.0	13.2	04/17/19 14:28	
Bromomethane	ug/L	<0.97	5.0	04/17/19 14:28	
Carbon tetrachloride	ug/L	<0.17	1.0	04/17/19 14:28	
Chlorobenzene	ug/L	<0.71	2.4	04/17/19 14:28	
Chloroethane	ug/L	<1.3	5.0	04/17/19 14:28	
Chloroform	ug/L	<1.3	5.0	04/17/19 14:28	
Chloromethane	ug/L	<2.2	7.3	04/17/19 14:28	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/17/19 14:28	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/17/19 14:28	
Dibromochloromethane	ug/L	<2.6	8.7	04/17/19 14:28	
Dibromomethane	ug/L	<0.94	3.1	04/17/19 14:28	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/17/19 14:28	
Diisopropyl ether	ug/L	<1.9	6.3	04/17/19 14:28	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

METHOD BLANK: 1851338

Matrix: Water

Associated Lab Samples: 40185854001, 40185854002, 40185854003, 40185854004, 40185854005, 40185854006, 40185854007, 40185854008, 40185854009, 40185854010, 40185854011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/L	<0.22	1.0	04/17/19 14:28	
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/17/19 14:28	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/17/19 14:28	
m&p-Xylene	ug/L	<0.47	2.0	04/17/19 14:28	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/17/19 14:28	
Methylene Chloride	ug/L	<0.58	5.0	04/17/19 14:28	
n-Butylbenzene	ug/L	<0.71	2.4	04/17/19 14:28	
n-Propylbenzene	ug/L	<0.81	5.0	04/17/19 14:28	
Naphthalene	ug/L	<1.2	5.0	04/17/19 14:28	
o-Xylene	ug/L	<0.26	1.0	04/17/19 14:28	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/17/19 14:28	
sec-Butylbenzene	ug/L	<0.85	5.0	04/17/19 14:28	
Styrene	ug/L	<0.47	1.6	04/17/19 14:28	
tert-Butylbenzene	ug/L	<0.30	1.0	04/17/19 14:28	
Tetrachloroethene	ug/L	<0.33	1.1	04/17/19 14:28	
Toluene	ug/L	<0.17	5.0	04/17/19 14:28	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/17/19 14:28	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/17/19 14:28	
Trichloroethene	ug/L	<0.26	1.0	04/17/19 14:28	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/17/19 14:28	
Vinyl chloride	ug/L	<0.17	1.0	04/17/19 14:28	
4-Bromofluorobenzene (S)	%	80	70-130	04/17/19 14:28	
Dibromofluoromethane (S)	%	100	70-130	04/17/19 14:28	
Toluene-d8 (S)	%	97	70-130	04/17/19 14:28	

LABORATORY CONTROL SAMPLE: 1851339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.8	106	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	49.2	98	70-130	
1,1,2-Trichloroethane	ug/L	50	53.6	107	70-130	
1,1-Dichloroethane	ug/L	50	46.5	93	73-150	
1,1-Dichloroethene	ug/L	50	43.3	87	73-138	
1,2,4-Trichlorobenzene	ug/L	50	38.6	77	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	47.5	95	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	50.9	102	70-130	
1,2-Dichlorobenzene	ug/L	50	47.5	95	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	75-140	
1,2-Dichloropropane	ug/L	50	51.7	103	73-135	
1,3-Dichlorobenzene	ug/L	50	46.3	93	70-130	
1,4-Dichlorobenzene	ug/L	50	48.2	96	70-130	
Benzene	ug/L	50	51.4	103	70-130	
Bromodichloromethane	ug/L	50	50.8	102	70-130	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

LABORATORY CONTROL SAMPLE: 1851339

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	50	51.3	103	68-129	
Bromomethane	ug/L	50	39.1	78	18-159	
Carbon tetrachloride	ug/L	50	48.7	97	70-130	
Chlorobenzene	ug/L	50	51.2	102	70-130	
Chloroethane	ug/L	50	42.1	84	53-147	
Chloroform	ug/L	50	50.8	102	74-136	
Chloromethane	ug/L	50	42.6	85	29-115	
cis-1,2-Dichloroethene	ug/L	50	44.2	88	70-130	
cis-1,3-Dichloropropene	ug/L	50	49.3	99	70-130	
Dibromochloromethane	ug/L	50	52.7	105	70-130	
Dichlorodifluoromethane	ug/L	50	32.1	64	10-130	
Ethylbenzene	ug/L	50	54.5	109	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.5	107	70-130	
m&p-Xylene	ug/L	100	109	109	70-130	
Methyl-tert-butyl ether	ug/L	50	41.0	82	54-137	
Methylene Chloride	ug/L	50	44.1	88	73-138	
o-Xylene	ug/L	50	51.6	103	70-130	
Styrene	ug/L	50	49.8	100	70-130	
Tetrachloroethene	ug/L	50	50.1	100	70-130	
Toluene	ug/L	50	52.9	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	44.3	89	73-145	
trans-1,3-Dichloropropene	ug/L	50	45.8	92	70-130	
Trichloroethene	ug/L	50	51.5	103	70-130	
Trichlorofluoromethane	ug/L	50	43.8	88	76-147	
Vinyl chloride	ug/L	50	42.8	86	51-120	
4-Bromofluorobenzene (S)	%			101	70-130	
Dibromofluoromethane (S)	%			100	70-130	
Toluene-d8 (S)	%			101	70-130	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

QC Batch:	318598	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40185854012		

METHOD BLANK:	1851605	Matrix:	Water
Associated Lab Samples:	40185854012		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.27	1.0	04/17/19 08:41	
1,1,1-Trichloroethane	ug/L	<0.24	1.0	04/17/19 08:41	
1,1,2,2-Tetrachloroethane	ug/L	<0.28	1.0	04/17/19 08:41	
1,1,2-Trichloroethane	ug/L	<0.55	5.0	04/17/19 08:41	
1,1-Dichloroethane	ug/L	<0.27	1.0	04/17/19 08:41	
1,1-Dichloroethene	ug/L	<0.24	1.0	04/17/19 08:41	
1,1-Dichloropropene	ug/L	<0.54	1.8	04/17/19 08:41	
1,2,3-Trichlorobenzene	ug/L	<0.63	5.0	04/17/19 08:41	
1,2,3-Trichloropropane	ug/L	<0.59	5.0	04/17/19 08:41	
1,2,4-Trichlorobenzene	ug/L	<0.95	5.0	04/17/19 08:41	
1,2,4-Trimethylbenzene	ug/L	<0.84	2.8	04/17/19 08:41	
1,2-Dibromo-3-chloropropane	ug/L	<1.8	5.9	04/17/19 08:41	
1,2-Dibromoethane (EDB)	ug/L	<0.83	2.8	04/17/19 08:41	
1,2-Dichlorobenzene	ug/L	<0.71	2.4	04/17/19 08:41	
1,2-Dichloroethane	ug/L	<0.28	1.0	04/17/19 08:41	
1,2-Dichloropropane	ug/L	<0.28	1.0	04/17/19 08:41	
1,3,5-Trimethylbenzene	ug/L	<0.87	2.9	04/17/19 08:41	
1,3-Dichlorobenzene	ug/L	<0.63	2.1	04/17/19 08:41	
1,3-Dichloropropane	ug/L	<0.83	2.8	04/17/19 08:41	
1,4-Dichlorobenzene	ug/L	<0.94	3.1	04/17/19 08:41	
2,2-Dichloropropane	ug/L	<2.3	7.6	04/17/19 08:41	
2-Chlorotoluene	ug/L	<0.93	5.0	04/17/19 08:41	
4-Chlorotoluene	ug/L	<0.76	2.5	04/17/19 08:41	
Benzene	ug/L	<0.25	1.0	04/17/19 08:41	
Bromobenzene	ug/L	<0.24	1.0	04/17/19 08:41	
Bromochloromethane	ug/L	<0.36	5.0	04/17/19 08:41	
Bromodichloromethane	ug/L	<0.36	1.2	04/17/19 08:41	
Bromoform	ug/L	<4.0	13.2	04/17/19 08:41	
Bromomethane	ug/L	<0.97	5.0	04/17/19 08:41	
Carbon tetrachloride	ug/L	<0.17	1.0	04/17/19 08:41	
Chlorobenzene	ug/L	<0.71	2.4	04/17/19 08:41	
Chloroethane	ug/L	<1.3	5.0	04/17/19 08:41	
Chloroform	ug/L	<1.3	5.0	04/17/19 08:41	
Chloromethane	ug/L	<2.2	7.3	04/17/19 08:41	
cis-1,2-Dichloroethene	ug/L	<0.27	1.0	04/17/19 08:41	
cis-1,3-Dichloropropene	ug/L	<3.6	12.1	04/17/19 08:41	
Dibromochloromethane	ug/L	<2.6	8.7	04/17/19 08:41	
Dibromomethane	ug/L	<0.94	3.1	04/17/19 08:41	
Dichlorodifluoromethane	ug/L	<0.50	5.0	04/17/19 08:41	
Diisopropyl ether	ug/L	<1.9	6.3	04/17/19 08:41	
Ethylbenzene	ug/L	<0.22	1.0	04/17/19 08:41	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185854

METHOD BLANK: 1851605 Matrix: Water
Associated Lab Samples: 40185854012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<1.2	5.0	04/17/19 08:41	
Isopropylbenzene (Cumene)	ug/L	<0.39	5.0	04/17/19 08:41	
m&p-Xylene	ug/L	<0.47	2.0	04/17/19 08:41	
Methyl-tert-butyl ether	ug/L	<1.2	4.2	04/17/19 08:41	
Methylene Chloride	ug/L	<0.58	5.0	04/17/19 08:41	
n-Butylbenzene	ug/L	<0.71	2.4	04/17/19 08:41	
n-Propylbenzene	ug/L	<0.81	5.0	04/17/19 08:41	
Naphthalene	ug/L	<1.2	5.0	04/17/19 08:41	
o-Xylene	ug/L	<0.26	1.0	04/17/19 08:41	
p-Isopropyltoluene	ug/L	<0.80	2.7	04/17/19 08:41	
sec-Butylbenzene	ug/L	<0.85	5.0	04/17/19 08:41	
Styrene	ug/L	<0.47	1.6	04/17/19 08:41	
tert-Butylbenzene	ug/L	<0.30	1.0	04/17/19 08:41	
Tetrachloroethene	ug/L	<0.33	1.1	04/17/19 08:41	
Toluene	ug/L	<0.17	5.0	04/17/19 08:41	
trans-1,2-Dichloroethene	ug/L	<1.1	3.6	04/17/19 08:41	
trans-1,3-Dichloropropene	ug/L	<4.4	14.6	04/17/19 08:41	
Trichloroethene	ug/L	<0.26	1.0	04/17/19 08:41	
Trichlorofluoromethane	ug/L	<0.21	1.0	04/17/19 08:41	
Vinyl chloride	ug/L	<0.17	1.0	04/17/19 08:41	
4-Bromofluorobenzene (S)	%	89	70-130	04/17/19 08:41	
Dibromofluoromethane (S)	%	96	70-130	04/17/19 08:41	
Toluene-d8 (S)	%	96	70-130	04/17/19 08:41	

LABORATORY CONTROL SAMPLE: 1851606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.1	102	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	96	70-130	
1,1,2-Trichloroethane	ug/L	50	50.9	102	70-130	
1,1-Dichloroethane	ug/L	50	53.6	107	73-150	
1,1-Dichloroethene	ug/L	50	52.3	105	73-138	
1,2,4-Trichlorobenzene	ug/L	50	52.8	106	70-130	
1,2-Dibromo-3-chloropropane	ug/L	50	46.1	92	64-129	
1,2-Dibromoethane (EDB)	ug/L	50	52.1	104	70-130	
1,2-Dichlorobenzene	ug/L	50	54.0	108	70-130	
1,2-Dichloroethane	ug/L	50	49.7	99	75-140	
1,2-Dichloropropane	ug/L	50	47.6	95	73-135	
1,3-Dichlorobenzene	ug/L	50	51.5	103	70-130	
1,4-Dichlorobenzene	ug/L	50	52.7	105	70-130	
Benzene	ug/L	50	48.9	98	70-130	
Bromodichloromethane	ug/L	50	53.9	108	70-130	
Bromoform	ug/L	50	48.1	96	68-129	
Bromomethane	ug/L	50	43.0	86	18-159	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185854

LABORATORY CONTROL SAMPLE: 1851606

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/L	50	53.7	107	70-130	
Chlorobenzene	ug/L	50	54.1	108	70-130	
Chloroethane	ug/L	50	45.9	92	53-147	
Chloroform	ug/L	50	48.2	96	74-136	
Chloromethane	ug/L	50	33.2	66	29-115	
cis-1,2-Dichloroethene	ug/L	50	47.8	96	70-130	
cis-1,3-Dichloropropene	ug/L	50	46.7	93	70-130	
Dibromochloromethane	ug/L	50	53.1	106	70-130	
Dichlorodifluoromethane	ug/L	50	40.5	81	10-130	
Ethylbenzene	ug/L	50	55.5	111	80-124	
Isopropylbenzene (Cumene)	ug/L	50	53.4	107	70-130	
m&p-Xylene	ug/L	100	114	114	70-130	
Methyl-tert-butyl ether	ug/L	50	50.6	101	54-137	
Methylene Chloride	ug/L	50	55.0	110	73-138	
o-Xylene	ug/L	50	56.4	113	70-130	
Styrene	ug/L	50	52.9	106	70-130	
Tetrachloroethene	ug/L	50	53.4	107	70-130	
Toluene	ug/L	50	53.1	106	80-126	
trans-1,2-Dichloroethene	ug/L	50	54.5	109	73-145	
trans-1,3-Dichloropropene	ug/L	50	45.6	91	70-130	
Trichloroethene	ug/L	50	54.0	108	70-130	
Trichlorofluoromethane	ug/L	50	53.0	106	76-147	
Vinyl chloride	ug/L	50	42.0	84	51-120	
4-Bromofluorobenzene (S)	%			99	70-130	
Dibromofluoromethane (S)	%			96	70-130	
Toluene-d8 (S)	%			99	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851615 1851616

Parameter	Units	40185857002		1851615		1851616		% Rec	% Rec	% Rec	Limits	RPD	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
1,1,1-Trichloroethane	ug/L	77.0	50	50	130	126	107	99	70-130	3	20			
1,1,2,2-Tetrachloroethane	ug/L	<0.28	50	50	47.5	49.2	95	98	70-130	4	20			
1,1,2-Trichloroethane	ug/L	<0.55	50	50	50.5	51.9	101	104	70-137	3	20			
1,1-Dichloroethane	ug/L	40.3	50	50	93.6	92.9	107	105	73-153	1	20			
1,1-Dichloroethene	ug/L	16.8	50	50	70.6	70.1	108	107	73-138	1	20			
1,2,4-Trichlorobenzene	ug/L	<0.95	50	50	54.5	55.1	109	110	70-130	1	20			
1,2-Dibromo-3-chloropropane	ug/L	<1.8	50	50	45.4	48.2	91	96	58-129	6	20			
1,2-Dibromoethane (EDB)	ug/L	<0.83	50	50	52.0	52.9	104	106	70-130	2	20			
1,2-Dichlorobenzene	ug/L	<0.71	50	50	53.4	53.9	107	108	70-130	1	20			
1,2-Dichloroethane	ug/L	<0.28	50	50	50.4	51.4	101	103	75-140	2	20			
1,2-Dichloropropane	ug/L	<0.28	50	50	48.9	47.8	98	96	71-138	2	20			
1,3-Dichlorobenzene	ug/L	<0.63	50	50	51.1	52.3	102	105	70-130	2	20			
1,4-Dichlorobenzene	ug/L	<0.94	50	50	51.8	52.9	104	106	70-130	2	20			

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Parameter	Units	1851615		1851616		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		40185857002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Benzene	ug/L	<0.25	50	50	49.9	50.0	100	100	70-130	0	20	
Bromodichloromethane	ug/L	<0.36	50	50	53.0	53.5	106	107	70-130	1	20	
Bromoform	ug/L	<4.0	50	50	48.0	49.0	96	98	68-129	2	20	
Bromomethane	ug/L	<0.97	50	50	43.4	45.9	87	92	15-170	6	20	
Carbon tetrachloride	ug/L	<0.17	50	50	55.0	56.3	110	113	70-130	2	20	
Chlorobenzene	ug/L	<0.71	50	50	53.8	53.4	108	107	70-130	1	20	
Chloroethane	ug/L	<1.3	50	50	46.2	46.8	92	94	51-148	1	20	
Chloroform	ug/L	<1.3	50	50	48.9	49.9	97	99	74-136	2	20	
Chloromethane	ug/L	<2.2	50	50	31.8	31.4	64	63	23-115	1	20	
cis-1,2-Dichloroethene	ug/L	21.1	50	50	70.0	70.5	98	99	70-131	1	20	
cis-1,3-Dichloropropene	ug/L	<3.6	50	50	46.8	46.9	94	94	70-130	0	20	
Dibromochloromethane	ug/L	<2.6	50	50	52.8	53.8	106	108	70-130	2	20	
Dichlorodifluoromethane	ug/L	<0.50	50	50	39.2	38.7	78	77	10-132	1	20	
Ethylbenzene	ug/L	<0.22	50	50	55.7	56.4	111	112	80-125	1	20	
Isopropylbenzene (Cumene)	ug/L	<0.39	50	50	53.2	53.4	106	107	70-130	0	20	
m&p-Xylene	ug/L	<0.47	100	100	113	115	113	115	70-130	2	20	
Methyl-tert-butyl ether	ug/L	<1.2	50	50	52.0	54.0	104	108	51-145	4	20	
Methylene Chloride	ug/L	<0.58	50	50	54.3	55.0	109	110	73-140	1	20	
o-Xylene	ug/L	0.35J	50	50	57.0	57.7	113	115	70-130	1	20	
Styrene	ug/L	<0.47	50	50	51.8	51.8	104	104	70-130	0	20	
Tetrachloroethene	ug/L	165	50	50	215	207	101	85	70-130	4	20	
Toluene	ug/L	0.19J	50	50	53.1	53.5	106	107	80-131	1	20	
trans-1,2-Dichloroethene	ug/L	<1.1	50	50	56.2	57.2	111	113	73-148	2	20	
trans-1,3-Dichloropropene	ug/L	<4.4	50	50	46.9	47.9	94	96	70-130	2	20	
Trichloroethene	ug/L	10.7	50	50	64.6	64.1	108	107	70-130	1	20	
Trichlorofluoromethane	ug/L	<0.21	50	50	54.5	55.6	109	111	74-147	2	20	
Vinyl chloride	ug/L	<0.17	50	50	42.2	41.9	84	84	41-129	1	20	
4-Bromofluorobenzene (S)	%						98	99	70-130			
Dibromofluoromethane (S)	%						97	97	70-130			
Toluene-d8 (S)	%						97	98	70-130			

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QUALIFIERS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185854

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185854001	MW-8	EPA 8260	318576		
40185854002	MW-7	EPA 8260	318576		
40185854003	MW-9	EPA 8260	318576		
40185854004	PZ-2	EPA 8260	318576		
40185854005	PZ-3	EPA 8260	318576		
40185854006	MW-1	EPA 8260	318576		
40185854007	MW-5	EPA 8260	318576		
40185854008	MW-6	EPA 8260	318576		
40185854009	PZ-4	EPA 8260	318576		
40185854010	MW-3	EPA 8260	318576		
40185854011	PZ-1	EPA 8260	318576		
40185854012	TRIP BLANK	EPA 8260	318598		

REPORT OF LABORATORY ANALYSIS

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Client Name: Rocky Fork

Sample Preservation Receipt Form

Project # 40185854

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

Lab Lot# of pH paper:

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

Initial when completed:

Date/Time:

Pace Analytical Services, LLC
1241 Bellevue Street, Suite 9
Green Bay, WI 54902

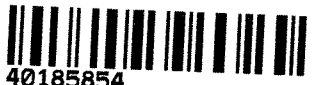
Pace Lab #	Glass			Plastic					Vials				Jars			General		VOA Vials (>6mm) *	H2SO4 pH ≤2	NaOH+Zn Act pH ≥9	NaOH pH ≥12	HNO3 pH ≤2	pH after adjusted	Volume (ml)		
	AG1U	AG1H	AG4S	AG4U	AG5U	AG2S	BP1U	BP2N	BP2Z	BP3U	BP3C	BP3N	BP3S	DG9A	DG9T	VG9U	VG9H								VG9M	VG9D
001																										2.5 / 5 / 10
002																										2.5 / 5 / 10
003																										2.5 / 5 / 10
004																										2.5 / 5 / 10
005																										2.5 / 5 / 10
006																										2.5 / 5 / 10
007																										2.5 / 5 / 10
008																										2.5 / 5 / 10
009																										2.5 / 5 / 10
010																										2.5 / 5 / 10
011																										2.5 / 5 / 10
012																										2.5 / 5 / 10
013																										2.5 / 5 / 10
014																										2.5 / 5 / 10
015																										2.5 / 5 / 10
016																										2.5 / 5 / 10
017																										2.5 / 5 / 10
018																										2.5 / 5 / 10
019																										2.5 / 5 / 10
020																										2.5 / 5 / 10

Exceptions to preservation check: VOA, Coliform, TOC, 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	SP5T	120 mL plastic Na Thiosulfate
AG1H	1 liter amber glass HCL	BP2N	500 ml plastic HNO3	DG9T	40 ml amber Na Thio	WGFU	4 oz clear jar unpres	ZPLC	ziploc bag
AG4S	125 ml amber glass H2SO4	BP2Z	500 ml plastic NaOH, Znact	VG9U	40 ml clear vial unpres	WPFU	4 oz plastic jar unpres	GN:	
AG4U	120 ml amber glass unpres	BP3U	250 ml plastic unpres	VG9H	40 ml clear vial HCL				
AG5U	100 ml amber glass unpres	BP3C	250 ml plastic NaOH	VG9M	40 ml clear vial MeOH				
AG2S	500 ml amber glass H2SO4	BP3N	250 ml plastic HNO3	VG9D	40 ml clear vial DI				
BG3U	250 ml clear glass unpres	BP3S	250 ml plastic H2SO4						

Sample Condition Upon Receipt Form (SCUR)

Project #: **WO# : 40185854**

40185854

Client Name: Ready Earth
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: 201 / Corr: _____

Temp Blank Present: yes no **Biological Tissue is Frozen:** yes no
Temp should be above freezing to 6°C.
Biota Samples may be received at ≤ 0°C.

Person examining contents:
Date: 4/16/19
Initials: PLA

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. <u>N₂ pg #, invoice</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>4/16/19 PLA</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:		8.
For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <u>No time</u>
-Includes date/time/ID/Analysis	Matrix: <u>W</u>	<u>4/16/19 PLA</u>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>416</u>		

Client Notification/ Resolution:
Person Contacted: _____ Date/Time: _____ If checked, see attached form for additional comments
Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 4/16/19

April 25, 2019

Jason Bartley
ReadyEarth Consulting
W23N1670 Busse Rd.
Waukesha, WI 53188

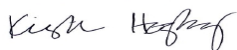
RE: Project: 11-0604 Block Cleaners
Pace Project No.: 10470907

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 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,



Kirsten Hogberg
kirsten.hogberg@pacelabs.com
(612)607-1700
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

CERTIFICATIONS

Project: 11-0604 Block Cleaners

Pace Project No.: 10470907

Minnesota Certification IDs

1700 Elm Street SE, Minneapolis, MN 55414-2485

A2LA Certification #: 2926.01

Alabama Certification #: 40770

Alaska Contaminated Sites Certification #: 17-009

Alaska DW Certification #: MN00064

Arizona Certification #: AZ0014

Arkansas DW Certification #: MN00064

Arkansas WW Certification #: 88-0680

California Certification #: 2929

CNMI Saipan Certification #: MP0003

Colorado Certification #: MN00064

Connecticut Certification #: PH-0256

EPA Region 8+Wyoming DW Certification #: via MN 027-053-137

Florida Certification #: E87605

Georgia Certification #: 959

Guam EPA Certification #: MN00064

Hawaii Certification #: MN00064

Idaho Certification #: MN00064

Illinois Certification #: 200011

Indiana Certification #: C-MN-01

Iowa Certification #: 368

Kansas Certification #: E-10167

Kentucky DW Certification #: 90062

Kentucky WW Certification #: 90062

Louisiana DEQ Certification #: 03086

Louisiana DW Certification #: MN00064

Maine Certification #: MN00064

Maryland Certification #: 322

Massachusetts Certification #: M-MN064

Michigan Certification #: 9909

Minnesota Certification #: 027-053-137

Minnesota Dept of Ag Certification #: via MN 027-053-137

Minnesota Petrofund Certification #: 1240

Mississippi Certification #: MN00064

Missouri Certification #: 10100

Montana Certification #: CERT0092

Nebraska Certification #: NE-OS-18-06

Nevada Certification #: MN00064

New Hampshire Certification #: 2081

New Jersey Certification #: MN002

New York Certification #: 11647

North Carolina DW Certification #: 27700

North Carolina WW Certification #: 530

North Dakota Certification #: R-036

Ohio DW Certification #: 41244

Ohio VAP Certification #: CL101

Oklahoma Certification #: 9507

Oregon Primary Certification #: MN300001

Oregon Secondary Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification #: MN00064

South Carolina Certification #: 74003001

Tennessee Certification #: TN02818

Texas Certification #: T104704192

Utah Certification #: MN00064

Vermont Certification #: VT-027053137

Virginia Certification #: 460163

Washington Certification #: C486

West Virginia DEP Certification #: 382

West Virginia DW Certification #: 9952 C

Wisconsin Certification #: 999407970

Wyoming UST Certification #: via A2LA 2926.01

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 11-0604 Block Cleaners

Pace Project No.: 10470907

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10470907001	VP-6	Air	04/12/19 16:10	04/16/19 11:00
10470907002	IA-1	Air	04/13/19 15:25	04/16/19 11:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11-0604 Block Cleaners

Pace Project No.: 10470907

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10470907001	VP-6	TO-15	MJL, NCK	5
10470907002	IA-1	TO-15	MJL, NCK	5

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 Block Cleaners

Pace Project No.: 10470907

Sample: VP-6									
Lab ID: 10470907001									
Collected: 04/12/19 16:10									
Received: 04/16/19 11:00									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
cis-1,2-Dichloroethene	<0.29	ug/m3	1.1	0.29	1.34		04/23/19 23:13	156-59-2	
trans-1,2-Dichloroethene	<0.38	ug/m3	1.1	0.38	1.34		04/23/19 23:13	156-60-5	
Tetrachloroethene	12.0	ug/m3	0.92	0.42	1.34		04/24/19 23:54	127-18-4	
Trichloroethene	0.37J	ug/m3	0.73	0.34	1.34		04/23/19 23:13	79-01-6	
Vinyl chloride	<0.17	ug/m3	0.35	0.17	1.34		04/23/19 23:13	75-01-4	

Sample: IA-1									
Lab ID: 10470907002									
Collected: 04/13/19 15:25									
Received: 04/16/19 11:00									
Matrix: Air									
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR									
Analytical Method: TO-15									
cis-1,2-Dichloroethene	<0.71	ug/m3	2.6	0.71	3.23		04/23/19 22:15	156-59-2	
trans-1,2-Dichloroethene	<0.92	ug/m3	2.6	0.92	3.23		04/23/19 22:15	156-60-5	
Tetrachloroethene	<1.0	ug/m3	2.2	1.0	3.23		04/24/19 22:55	127-18-4	
Trichloroethene	0.93J	ug/m3	1.8	0.83	3.23		04/23/19 22:15	79-01-6	
Vinyl chloride	<0.41	ug/m3	0.84	0.41	3.23		04/23/19 22:15	75-01-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 Block Cleaners
Pace Project No.: 10470907

QC Batch: 601217 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10470907001, 10470907002

METHOD BLANK: 3249306 Matrix: Air
Associated Lab Samples: 10470907001, 10470907002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.11	0.40	04/23/19 12:27	
Tetrachloroethene	ug/m3	<0.16	0.34	04/23/19 12:27	
trans-1,2-Dichloroethene	ug/m3	<0.14	0.40	04/23/19 12:27	
Trichloroethene	ug/m3	<0.13	0.27	04/23/19 12:27	
Vinyl chloride	ug/m3	<0.063	0.13	04/23/19 12:27	

LABORATORY CONTROL SAMPLE: 3249307

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,2-Dichloroethene	ug/m3	41.9	36.8	88	70-130	
Tetrachloroethene	ug/m3	70.3	58.7	83	70-130	
trans-1,2-Dichloroethene	ug/m3	41.5	35.9	86	70-130	
Trichloroethene	ug/m3	56.3	46.3	82	70-130	
Vinyl chloride	ug/m3	28.1	23.0	82	70-130	

SAMPLE DUPLICATE: 3250289

Parameter	Units	10470907002 Result	Dup Result	RPD	Max RPD	Qualifiers
cis-1,2-Dichloroethene	ug/m3	<0.71	<0.71			25
Tetrachloroethene	ug/m3	<1.0	<1.0			25
trans-1,2-Dichloroethene	ug/m3	<0.92	<0.92			25
Trichloroethene	ug/m3	0.93J	0.90J			25
Vinyl chloride	ug/m3	<0.41	<0.41			25

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: 11-0604 Block Cleaners

Pace Project No.: 10470907

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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 Block Cleaners

Pace Project No.: 10470907

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10470907001	VP-6	TO-15	601217		
10470907002	IA-1	TO-15	601217		

REPORT OF LABORATORY ANALYSIS

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Section A Required Client Information: Company: <u>Ready Ready Consumptive</u> Address: <u>P.O. Box 365</u> <u>DENVILLE, WI 53172</u> Email To: <u>Shantay Eredyeanth,nd</u> Project Name: <u>Block Cleaners</u> Project Number: <u>11-06-4</u> Requested Due Date/TAT: <u>5/0 TAT</u>		Section B Required Project Information: Report To: Copy To: <u>Shantay Eredyeanth,nd</u> Company Name: <u>SRM</u> Address: Pace Quote Reference: Pace Project Manager/Sales Rep: Pace Profile #: <u>24897</u>		Section C Invoice Information: Attention: Program: <u>35305</u> Page: <u>1</u> of <u>1</u> Location of Sampling by State: <u>WI</u> Reporting Units: <u>mg/m³</u> Report Level: <u>II</u> , <u>III</u> , <u>IV</u> , Other:				
Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE <u>VP-6</u> <u>IA-1</u>		Valid Media Codes MEDIA CODE TB 1 Liter Summa Can TCC 6 Liter Summa Can GPC Low Volume Pump LVP High Volume Pump HVP Other PM10		Method: PM10 TO-3 Fixed Gas (%) TO-3 BTEX TO-3M (Methane) TO-14 TO-15 Full List VOCs TO-15 Short List BTEX TO-15 Short List Chlorinated TO-15 Short List (Other)				
ITEM #	COLLECTED	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
1	6LC-1	James EA	4-12-19	1525	4-12	1610		
2	6LC-1	James EA	4-12-19	1525	4-13	1525		
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Comments: Flow Control on 24-HR Sample should be checked
CIS-112-0CE
TRANS-112-0CE
PCE
TCE
VINYL CHLORIDE ORIGINAL

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: JASON E. SALTNER
 SIGNATURE OF SAMPLER: [Signature]
 DATE Signed (MM/DD/YY): 04/15/19



Document Name:
Air Sample Condition Upon Receipt
Document No.:
F-MN-A-106-rev.18

Document Revised: 31Jan2019
Page 1 of 1
Issuing Authority:

WO#: 10470907

PM: KNH Due Date: 04/23/19
CLIENT: ReadyEarth

Air Sample Condition Upon Receipt

Client Name: Ready Earth Consulting Project #

Courier: Fed Ex UPS USPS Client
 Pace SpeeDee Commercial See Exception

Tracking Number: 454599108450

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): _____ Corrected Temp (°C): _____ Thermometer Used: G87A9170600254 G87A9155100842

Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: JC 4/16/19

Type of ice Received Blue Wet None

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive		11. Individually Certified Cans Y <u>N</u> (list which samples)
Is sufficient information available to reconcile samples to the COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Do cans need to be pressurized (3C and ASTM 1946 DO NOT PRESSURIZE)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	13.

Samples Received:					Pressure Gauge # <input checked="" type="checkbox"/> 10AIR34 <input type="checkbox"/> 10AIR35				
Canisters					Canisters				
Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure	Sample Number	Can ID	Flow Controller	Initial Pressure	Final Pressure
<u>VP-6</u>	<u>0591</u>	<u>1151</u>	<u>0</u>	<u>5</u>					
<u>2A-1</u>	<u>3411</u>	<u>0126</u>	<u>-17.5</u>	<u>"</u>					

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Kirsten Hoffberg

Date: 4/16/2019

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: ReadyEarth Consulting

Lab Project Number: 10470907

Phone:

Project Name: 11-0604 Block Cleaners

Lab Sample No: 10470907001

ProjSampleNum: 10470907001

Date Collected: 04/12/19 16:10

Client Sample ID: VP-6

Matrix: Air

Date Received: 04/16/19 11:00

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
cis-1,2-Dichloroethene	<0.072	ppbv	0.27	1.34	04/23/19 23:13 MJL	156-59-2	
Tetrachloroethene	1.7	ppbv	0.13	1.34	04/24/19 23:54 NCK	127-18-4	
trans-1,2-Dichloroethene	<0.094	ppbv	0.27	1.34	04/23/19 23:13 MJL	156-60-5	
Trichloroethene	0.068J	ppbv	0.13	1.34	04/23/19 23:13 MJL	79-01-6	
Vinyl chloride	<0.065	ppbv	0.13	1.34	04/23/19 23:13 MJL	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT

Units Conversion Request



Pace Analytical Services, Inc.
 1700 Elm Street – Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444

ANALYTICAL RESULTS

Client: ReadyEarth Consulting
 Phone:
 Lab Sample No: 10470907002
 Client Sample ID: IA-1

Lab Project Number: 10470907
 Project Name: 11-0604 Block Cleaners
 ProjSampleNum: 10470907002
 Matrix: Air
 Date Collected: 04/13/19 15:25
 Date Received: 04/16/19 11:00

Parameters	Results	Units	Report Limit	DF	Analyzed	CAS No.	Qualifiers
Air							
TO-15							
cis-1,2-Dichloroethene	<0.18	ppbv	0.65	3.23	04/23/19 22:15 MJL	156-59-2	
Tetrachloroethene	<0.15	ppbv	0.32	3.23	04/24/19 22:55 NCK	127-18-4	
trans-1,2-Dichloroethene	<0.23	ppbv	0.65	3.23	04/23/19 22:15 MJL	156-60-5	
Trichloroethene	0.17J	ppbv	0.33	3.23	04/23/19 22:15 MJL	79-01-6	
Vinyl chloride	<0.16	ppbv	0.32	3.23	04/23/19 22:15 MJL	75-01-4	

DISCLAIMER: These results have been converted to the units shown from the original units of measurement assuming 20 degrees Celsius and 1 atmosphere pressure. Values were not rounded according to EPA rounding rules. THC is quantitated based on the average response factors of several compounds; the nominal molecular weight of THC used for units conversion is the average of the molecular weights of the compounds used for quantitation.

SUPPLEMENTAL REPORT
 Units Conversion Request



Pace Analytical Services, Inc.
1700 Elm Street – Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444

ANALYTICAL RESULTS

Client: ReadyEarth Consulting
Phone:

Lab Project Number: 10470907
Project Name: 11-0604 Block Cleaners

PARAMETER FOOTNOTES

SUPPLEMENTAL REPORT Units Conversion Request

Date: 4/25/2019

Page 3

April 30, 2019

Jason Bartley
ReadyEarth Consulting, Inc.
P.O. Box 365
Pewaukee, WI 53072

RE: Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185852

Dear Jason Bartley:

Enclosed are the analytical results for sample(s) received by the laboratory on April 16, 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 Mleczo
steve.mleczo@pacelabs.com
(920)469-2436
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

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

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SAMPLE SUMMARY

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40185852001	P-1:2-4	Solid	04/12/19 00:00	04/16/19 09:30
40185852002	P-1:6-8	Solid	04/12/19 00:00	04/16/19 09:30
40185852003	P-2:2-4	Solid	04/12/19 00:00	04/16/19 09:30
40185852004	P-2:6-8	Solid	04/12/19 00:00	04/16/19 09:30
40185852005	P-3:2-4	Solid	04/12/19 00:00	04/16/19 09:30
40185852006	P-3:6-8	Solid	04/12/19 00:00	04/16/19 09:30
40185852007	P-4:2-4	Solid	04/12/19 00:00	04/16/19 09:30
40185852008	P-4:6-8	Solid	04/12/19 00:00	04/16/19 09:30
40185852009	P-5:2-4	Solid	04/12/19 00:00	04/16/19 09:30
40185852010	P-5:6-8	Solid	04/12/19 00:00	04/16/19 09:30
40185852011	P-6:2-4	Solid	04/12/19 00:00	04/16/19 09:30
40185852012	P-6:6-8	Solid	04/12/19 00:00	04/16/19 09:30
40185852013	METH BLANK	Solid	04/12/19 00:00	04/16/19 09:30

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185852

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40185852001	P-1:2-4	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852002	P-1:6-8	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852003	P-2:2-4	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852004	P-2:6-8	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852005	P-3:2-4	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852006	P-3:6-8	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852007	P-4:2-4	EPA 8260	ALD	64
		ASTM D2974-87	SKW	1
40185852008	P-4:6-8	EPA 8260	ALD	64
		ASTM D2974-87	JXM	1
40185852009	P-5:2-4	EPA 8260	ALD	64
		ASTM D2974-87	JXM	1
40185852010	P-5:6-8	EPA 8260	ALD	64
		ASTM D2974-87	JXM	1
40185852011	P-6:2-4	EPA 8260	ALD	64
		ASTM D2974-87	JXM	1
40185852012	P-6:6-8	EPA 8260	MDS	64
		ASTM D2974-87	JXM	1
40185852013	METH BLANK	EPA 8260	ALD	64

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-1:2-4 **Lab ID: 40185852001** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 18:04	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 18:04	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 18:04	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 18:04	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 18:04	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 18:04	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-1:2-4 **Lab ID: 40185852001** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 18:04	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:04	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	57-146		1	04/17/19 08:00	04/17/19 18:04	1868-53-7	
Toluene-d8 (S)	105	%	64-134		1	04/17/19 08:00	04/17/19 18:04	2037-26-5	
4-Bromofluorobenzene (S)	81	%	54-126		1	04/17/19 08:00	04/17/19 18:04	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	10.1	%	0.10	0.10	1		04/25/19 13:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-1:6-8 Lab ID: 40185852002 Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 18:27	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 18:27	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 18:27	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 18:27	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 18:27	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 18:27	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-1:6-8 **Lab ID: 40185852002** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 18:27	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:27	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	57-146		1	04/17/19 08:00	04/17/19 18:27	1868-53-7	
Toluene-d8 (S)	118	%	64-134		1	04/17/19 08:00	04/17/19 18:27	2037-26-5	
4-Bromofluorobenzene (S)	92	%	54-126		1	04/17/19 08:00	04/17/19 18:27	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	5.2	%	0.10	0.10	1		04/25/19 13:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185852

Sample: P-2:2-4 **Lab ID: 40185852003** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 18:49	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 18:49	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 18:49	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 18:49	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 18:49	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 18:49	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-2:2-4 **Lab ID: 40185852003** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 18:49	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 18:49	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-146		1	04/17/19 08:00	04/17/19 18:49	1868-53-7	
Toluene-d8 (S)	108	%	64-134		1	04/17/19 08:00	04/17/19 18:49	2037-26-5	
4-Bromofluorobenzene (S)	83	%	54-126		1	04/17/19 08:00	04/17/19 18:49	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	16.5	%	0.10	0.10	1		04/25/19 13:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-2-6-8 **Lab ID: 40185852004** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 19:12	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 19:12	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 19:12	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 19:12	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 19:12	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 19:12	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-2:6-8 **Lab ID: 40185852004** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 19:12	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:12	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	123	%	57-146		1	04/17/19 08:00	04/17/19 19:12	1868-53-7	
Toluene-d8 (S)	123	%	64-134		1	04/17/19 08:00	04/17/19 19:12	2037-26-5	
4-Bromofluorobenzene (S)	96	%	54-126		1	04/17/19 08:00	04/17/19 19:12	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	7.1	%	0.10	0.10	1		04/25/19 13:44		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-3:2-4 Lab ID: 40185852005 Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 19:35	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 19:35	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 19:35	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 19:35	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 19:35	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 19:35	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-3:2-4 **Lab ID: 40185852005** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 19:35	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:35	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	57-146		1	04/17/19 08:00	04/17/19 19:35	1868-53-7	
Toluene-d8 (S)	116	%	64-134		1	04/17/19 08:00	04/17/19 19:35	2037-26-5	
4-Bromofluorobenzene (S)	98	%	54-126		1	04/17/19 08:00	04/17/19 19:35	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	17.3	%	0.10	0.10	1		04/25/19 13:45		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-3-6-8 Lab ID: 40185852006 Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 16:56	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 16:56	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	78-87-5	L1,M0, W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-27-4	M1,W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 16:56	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 16:56	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 16:56	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 16:56	91-20-3	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-3:6-8 **Lab ID: 40185852006** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	100-42-5	W
Tetrachloroethene	34.3J	ug/kg	64.6	26.9	1	04/17/19 08:00	04/17/19 16:56	127-18-4	
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 16:56	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 16:56	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	119	%	57-146		1	04/17/19 08:00	04/17/19 16:56	1868-53-7	
Toluene-d8 (S)	111	%	64-134		1	04/17/19 08:00	04/17/19 16:56	2037-26-5	
4-Bromofluorobenzene (S)	112	%	54-126		1	04/17/19 08:00	04/17/19 16:56	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.1	%	0.10	0.10	1		04/25/19 13:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-4:2-4 **Lab ID: 40185852007** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 19:57	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 19:57	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 19:57	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 19:57	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 19:57	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 19:57	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-4:2-4 **Lab ID: 40185852007** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 19:57	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 19:57	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	118	%	57-146		1	04/17/19 08:00	04/17/19 19:57	1868-53-7	
Toluene-d8 (S)	112	%	64-134		1	04/17/19 08:00	04/17/19 19:57	2037-26-5	
4-Bromofluorobenzene (S)	87	%	54-126		1	04/17/19 08:00	04/17/19 19:57	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	15.7	%	0.10	0.10	1		04/25/19 13:45		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-4-6-8 **Lab ID: 40185852008** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 20:20	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 20:20	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 20:20	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 20:20	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 20:20	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 20:20	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-4:6-8 **Lab ID: 40185852008** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 20:20	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:20	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-146		1	04/17/19 08:00	04/17/19 20:20	1868-53-7	
Toluene-d8 (S)	111	%	64-134		1	04/17/19 08:00	04/17/19 20:20	2037-26-5	
4-Bromofluorobenzene (S)	83	%	54-126		1	04/17/19 08:00	04/17/19 20:20	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	6.9	%	0.10	0.10	1		04/29/19 10:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-5:2-4 Lab ID: 40185852009 Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 20:42	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 20:42	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 20:42	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 20:42	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 20:42	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 20:42	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-5:2-4 **Lab ID: 40185852009** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 20:42	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 20:42	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	113	%	57-146		1	04/17/19 08:00	04/17/19 20:42	1868-53-7	
Toluene-d8 (S)	108	%	64-134		1	04/17/19 08:00	04/17/19 20:42	2037-26-5	
4-Bromofluorobenzene (S)	82	%	54-126		1	04/17/19 08:00	04/17/19 20:42	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	14.4	%	0.10	0.10	1		04/29/19 10:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-5-6-8 **Lab ID: 40185852010** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 21:05	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 21:05	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 21:05	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 21:05	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 21:05	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 21:05	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-5:6-8 Lab ID: 40185852010 Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 21:05	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:05	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	104	%	57-146		1	04/17/19 08:00	04/17/19 21:05	1868-53-7	
Toluene-d8 (S)	105	%	64-134		1	04/17/19 08:00	04/17/19 21:05	2037-26-5	
4-Bromofluorobenzene (S)	80	%	54-126		1	04/17/19 08:00	04/17/19 21:05	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.2	%	0.10	0.10	1		04/29/19 10:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-6:2-4 **Lab ID: 40185852011** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 21:28	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 21:28	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 21:28	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 21:28	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 21:28	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 21:28	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-6:2-4 **Lab ID: 40185852011** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 21:28	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 21:28	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	125	%	57-146		1	04/17/19 08:00	04/17/19 21:28	1868-53-7	
Toluene-d8 (S)	120	%	64-134		1	04/17/19 08:00	04/17/19 21:28	2037-26-5	
4-Bromofluorobenzene (S)	91	%	54-126		1	04/17/19 08:00	04/17/19 21:28	460-00-4	
Percent Moisture									
Analytical Method: ASTM D2974-87									
Percent Moisture	13.9	%	0.10	0.10	1		04/29/19 10:41		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-6-6-8 Lab ID: 40185852012 Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/23/19 07:23	04/23/19 09:12	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/23/19 07:23	04/23/19 09:12	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	78-87-5	W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-25-2	W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/23/19 07:23	04/23/19 09:12	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/23/19 07:23	04/23/19 09:12	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/23/19 07:23	04/23/19 09:12	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/23/19 07:23	04/23/19 09:12	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: P-6:6-8 **Lab ID: 40185852012** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

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

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/23/19 07:23	04/23/19 09:12	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/23/19 07:23	04/23/19 09:12	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	101	%	57-146		1	04/23/19 07:23	04/23/19 09:12	1868-53-7	
Toluene-d8 (S)	99	%	64-134		1	04/23/19 07:23	04/23/19 09:12	2037-26-5	
4-Bromofluorobenzene (S)	111	%	54-126		1	04/23/19 07:23	04/23/19 09:12	460-00-4	
Percent Moisture		Analytical Method: ASTM D2974-87							
Percent Moisture	7.3	%	0.10	0.10	1		04/29/19 10:41		

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: METH BLANK **Lab ID: 40185852013** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
1,1,1,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	630-20-6	W
1,1,1-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	71-55-6	W
1,1,2,2-Tetrachloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	79-34-5	W
1,1,2-Trichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	79-00-5	W
1,1-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-34-3	W
1,1-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-35-4	W
1,1-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	563-58-6	W
1,2,3-Trichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	87-61-6	W
1,2,3-Trichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	96-18-4	W
1,2,4-Trichlorobenzene	<47.6	ug/kg	250	47.6	1	04/17/19 08:00	04/17/19 15:48	120-82-1	W
1,2,4-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	95-63-6	W
1,2-Dibromo-3-chloropropane	<91.2	ug/kg	250	91.2	1	04/17/19 08:00	04/17/19 15:48	96-12-8	W
1,2-Dibromoethane (EDB)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	106-93-4	W
1,2-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	95-50-1	W
1,2-Dichloroethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	107-06-2	W
1,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	78-87-5	L1,W
1,3,5-Trimethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	108-67-8	W
1,3-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	541-73-1	W
1,3-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	142-28-9	W
1,4-Dichlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	106-46-7	W
2,2-Dichloropropane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	594-20-7	W
2-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	95-49-8	W
4-Chlorotoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	106-43-4	W
Benzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	71-43-2	W
Bromobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	108-86-1	W
Bromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	74-97-5	W
Bromodichloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-27-4	W
Bromoform	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-25-2	L1,W
Bromomethane	<69.9	ug/kg	250	69.9	1	04/17/19 08:00	04/17/19 15:48	74-83-9	W
Carbon tetrachloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	56-23-5	W
Chlorobenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	108-90-7	W
Chloroethane	<67.0	ug/kg	250	67.0	1	04/17/19 08:00	04/17/19 15:48	75-00-3	W
Chloroform	<46.4	ug/kg	250	46.4	1	04/17/19 08:00	04/17/19 15:48	67-66-3	W
Chloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	74-87-3	W
Dibromochloromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	124-48-1	W
Dibromomethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	74-95-3	W
Dichlorodifluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-71-8	W
Diisopropyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	108-20-3	W
Ethylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	100-41-4	W
Hexachloro-1,3-butadiene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	87-68-3	W
Isopropylbenzene (Cumene)	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	98-82-8	W
Methyl-tert-butyl ether	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	1634-04-4	W
Methylene Chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-09-2	W
Naphthalene	<40.0	ug/kg	250	40.0	1	04/17/19 08:00	04/17/19 15:48	91-20-3	W
Styrene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	100-42-5	W

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Sample: METH BLANK **Lab ID: 40185852013** Collected: 04/12/19 00:00 Received: 04/16/19 09:30 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List									
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B									
Tetrachloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	127-18-4	W
Toluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	108-88-3	W
Trichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	79-01-6	W
Trichlorofluoromethane	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-69-4	W
Vinyl chloride	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	75-01-4	W
cis-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	156-59-2	W
cis-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	10061-01-5	W
m&p-Xylene	<50.0	ug/kg	120	50.0	1	04/17/19 08:00	04/17/19 15:48	179601-23-1	W
n-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	104-51-8	W
n-Propylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	103-65-1	W
o-Xylene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	95-47-6	W
p-Isopropyltoluene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	99-87-6	W
sec-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	135-98-8	W
tert-Butylbenzene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	98-06-6	W
trans-1,2-Dichloroethene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	156-60-5	W
trans-1,3-Dichloropropene	<25.0	ug/kg	60.0	25.0	1	04/17/19 08:00	04/17/19 15:48	10061-02-6	W
Surrogates									
Dibromofluoromethane (S)	116	%	57-146		1	04/17/19 08:00	04/17/19 15:48	1868-53-7	
Toluene-d8 (S)	106	%	64-134		1	04/17/19 08:00	04/17/19 15:48	2037-26-5	
4-Bromofluorobenzene (S)	90	%	54-126		1	04/17/19 08:00	04/17/19 15:48	460-00-4	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

QC Batch: 318656 Analysis Method: EPA 8260
 QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
 Associated Lab Samples: 40185852001, 40185852002, 40185852003, 40185852004, 40185852005, 40185852006, 40185852007, 40185852008, 40185852009, 40185852010, 40185852011, 40185852013

METHOD BLANK: 1851813 Matrix: Solid
 Associated Lab Samples: 40185852001, 40185852002, 40185852003, 40185852004, 40185852005, 40185852006, 40185852007, 40185852008, 40185852009, 40185852010, 40185852011, 40185852013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/17/19 13:33	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/17/19 13:33	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/17/19 13:33	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/17/19 13:33	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/17/19 13:33	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/17/19 13:33	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/17/19 13:33	
1,2,3-Trichlorobenzene	ug/kg	33.8J	50.0	04/17/19 13:33	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/17/19 13:33	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/17/19 13:33	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/17/19 13:33	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/17/19 13:33	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/17/19 13:33	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/17/19 13:33	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/17/19 13:33	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/17/19 13:33	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/17/19 13:33	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/17/19 13:33	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/17/19 13:33	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/17/19 13:33	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/17/19 13:33	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/17/19 13:33	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/17/19 13:33	
Benzene	ug/kg	<9.2	20.0	04/17/19 13:33	
Bromobenzene	ug/kg	<20.6	50.0	04/17/19 13:33	
Bromochloromethane	ug/kg	<21.4	50.0	04/17/19 13:33	
Bromodichloromethane	ug/kg	<9.8	50.0	04/17/19 13:33	
Bromoform	ug/kg	<19.8	50.0	04/17/19 13:33	
Bromomethane	ug/kg	<69.9	250	04/17/19 13:33	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/17/19 13:33	
Chlorobenzene	ug/kg	<14.8	50.0	04/17/19 13:33	
Chloroethane	ug/kg	<67.0	250	04/17/19 13:33	
Chloroform	ug/kg	<46.4	250	04/17/19 13:33	
Chloromethane	ug/kg	<20.4	50.0	04/17/19 13:33	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/17/19 13:33	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/17/19 13:33	
Dibromochloromethane	ug/kg	<17.9	50.0	04/17/19 13:33	
Dibromomethane	ug/kg	<19.3	50.0	04/17/19 13:33	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/17/19 13:33	
Diisopropyl ether	ug/kg	<17.7	50.0	04/17/19 13:33	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

METHOD BLANK: 1851813

Matrix: Solid

Associated Lab Samples: 40185852001, 40185852002, 40185852003, 40185852004, 40185852005, 40185852006, 40185852007, 40185852008, 40185852009, 40185852010, 40185852011, 40185852013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/kg	<12.4	50.0	04/17/19 13:33	
Hexachloro-1,3-butadiene	ug/kg	75.7	50.0	04/17/19 13:33	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/17/19 13:33	
m&p-Xylene	ug/kg	<34.4	100	04/17/19 13:33	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/17/19 13:33	
Methylene Chloride	ug/kg	<16.2	50.0	04/17/19 13:33	
n-Butylbenzene	ug/kg	22.2J	50.0	04/17/19 13:33	
n-Propylbenzene	ug/kg	<11.6	50.0	04/17/19 13:33	
Naphthalene	ug/kg	<40.0	250	04/17/19 13:33	
o-Xylene	ug/kg	<14.0	50.0	04/17/19 13:33	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/17/19 13:33	
sec-Butylbenzene	ug/kg	21.2J	50.0	04/17/19 13:33	
Styrene	ug/kg	<9.0	50.0	04/17/19 13:33	
tert-Butylbenzene	ug/kg	16.1J	50.0	04/17/19 13:33	
Tetrachloroethene	ug/kg	<12.9	50.0	04/17/19 13:33	
Toluene	ug/kg	<11.2	50.0	04/17/19 13:33	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/17/19 13:33	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/17/19 13:33	
Trichloroethene	ug/kg	<23.6	50.0	04/17/19 13:33	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/17/19 13:33	
Vinyl chloride	ug/kg	<21.1	50.0	04/17/19 13:33	
4-Bromofluorobenzene (S)	%	79	54-126	04/17/19 13:33	
Dibromofluoromethane (S)	%	117	57-146	04/17/19 13:33	
Toluene-d8 (S)	%	106	64-134	04/17/19 13:33	

LABORATORY CONTROL SAMPLE: 1851814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2670	107	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2600	104	70-130	
1,1,2-Trichloroethane	ug/kg	2500	3120	125	70-130	
1,1-Dichloroethane	ug/kg	2500	2740	110	70-130	
1,1-Dichloroethene	ug/kg	2500	2340	94	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2050	82	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	2360	94	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2810	112	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2360	94	70-130	
1,2-Dichloroethane	ug/kg	2500	2920	117	70-134	
1,2-Dichloropropane	ug/kg	2500	3150	126	74-124 L1	
1,3-Dichlorobenzene	ug/kg	2500	2390	95	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2400	96	70-130	
Benzene	ug/kg	2500	2660	107	70-130	
Bromodichloromethane	ug/kg	2500	3260	130	70-130	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

LABORATORY CONTROL SAMPLE: 1851814

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/kg	2500	3040	122	47-115	L1
Bromomethane	ug/kg	2500	3130	125	64-165	
Carbon tetrachloride	ug/kg	2500	2570	103	70-131	
Chlorobenzene	ug/kg	2500	2740	109	70-130	
Chloroethane	ug/kg	2500	3180	127	28-197	
Chloroform	ug/kg	2500	2570	103	80-131	
Chloromethane	ug/kg	2500	2120	85	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2420	97	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2840	114	70-130	
Dibromochloromethane	ug/kg	2500	3100	124	70-130	
Dichlorodifluoromethane	ug/kg	2500	1540	61	38-108	
Ethylbenzene	ug/kg	2500	2860	114	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2750	110	70-130	
m&p-Xylene	ug/kg	5000	6000	120	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2520	101	70-130	
Methylene Chloride	ug/kg	2500	2530	101	70-130	
o-Xylene	ug/kg	2500	2770	111	70-130	
Styrene	ug/kg	2500	3100	124	70-130	
Tetrachloroethene	ug/kg	2500	2730	109	70-130	
Toluene	ug/kg	2500	3030	121	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2610	104	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2910	116	70-130	
Trichloroethene	ug/kg	2500	2820	113	70-130	
Trichlorofluoromethane	ug/kg	2500	2300	92	81-141	
Vinyl chloride	ug/kg	2500	2090	83	68-121	
4-Bromofluorobenzene (S)	%			104	54-126	
Dibromofluoromethane (S)	%			105	57-146	
Toluene-d8 (S)	%			107	64-134	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1851815 1851816

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		40185852006 Result	Spike Conc.	Spike Conc.	MSD Result							
1,1,1-Trichloroethane	ug/kg	<25.0	1350	1350	1420	1480	105	110	64-132	4	20	
1,1,2,2-Tetrachloroethane	ug/kg	<25.0	1350	1350	1310	1300	98	97	70-132	1	20	
1,1,2-Trichloroethane	ug/kg	<25.0	1350	1350	1590	1640	118	122	70-130	3	20	
1,1-Dichloroethane	ug/kg	<25.0	1350	1350	1590	1630	118	121	70-130	2	20	
1,1-Dichloroethene	ug/kg	<25.0	1350	1350	1290	1350	96	100	65-126	5	21	
1,2,4-Trichlorobenzene	ug/kg	<47.6	1350	1350	1540	1540	115	114	66-139	1	20	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	1350	1350	1550	1530	116	114	47-146	2	23	
1,2-Dibromoethane (EDB)	ug/kg	<25.0	1350	1350	1400	1520	104	113	70-130	8	20	
1,2-Dichlorobenzene	ug/kg	<25.0	1350	1350	1470	1510	110	112	70-130	3	20	
1,2-Dichloroethane	ug/kg	<25.0	1350	1350	1630	1680	121	125	70-136	3	20	
1,2-Dichloropropane	ug/kg	<25.0	1350	1350	1710	1740	127	129	74-124	1	20	MO

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Parameter	Units	1851815		1851816		MS % Rec	MSD % Rec	% Rec	Limits	RPD	Max RPD	Qual
		40185852006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
1,3-Dichlorobenzene	ug/kg	<25.0	1350	1350	1480	1450	110	108	70-130	2	20	
1,4-Dichlorobenzene	ug/kg	<25.0	1350	1350	1450	1420	108	105	70-130	3	20	
Benzene	ug/kg	<25.0	1350	1350	1470	1530	109	114	70-130	4	20	
Bromodichloromethane	ug/kg	<25.0	1350	1350	1790	1790	133	133	70-130	0	20	M1
Bromoform	ug/kg	<25.0	1350	1350	1570	1620	117	121	47-129	3	20	
Bromomethane	ug/kg	<69.9	1350	1350	1980	2010	148	149	41-180	1	20	
Carbon tetrachloride	ug/kg	<25.0	1350	1350	1320	1360	98	101	58-133	3	20	
Chlorobenzene	ug/kg	<25.0	1350	1350	1470	1550	109	115	70-130	6	20	
Chloroethane	ug/kg	<67.0	1350	1350	2010	2090	149	155	28-197	4	20	
Chloroform	ug/kg	<46.4	1350	1350	1470	1560	109	116	80-131	6	20	
Chloromethane	ug/kg	<25.0	1350	1350	1300	1390	96	103	26-118	7	20	
cis-1,2-Dichloroethene	ug/kg	<25.0	1350	1350	1370	1430	102	107	70-130	5	20	
cis-1,3-Dichloropropene	ug/kg	<25.0	1350	1350	1430	1480	106	110	70-130	3	20	
Dibromochloromethane	ug/kg	<25.0	1350	1350	1550	1620	116	121	67-130	4	20	
Dichlorodifluoromethane	ug/kg	<25.0	1350	1350	1110	1180	82	88	12-108	6	29	
Ethylbenzene	ug/kg	<25.0	1350	1350	1410	1450	105	108	80-122	3	20	
Isopropylbenzene (Cumene)	ug/kg	<25.0	1350	1350	1630	1700	121	126	70-130	4	20	
m&p-Xylene	ug/kg	<50.0	2690	2690	3040	3160	113	117	70-130	4	20	
Methyl-tert-butyl ether	ug/kg	<25.0	1350	1350	1370	1370	102	102	70-130	0	20	
Methylene Chloride	ug/kg	<25.0	1350	1350	1500	1550	112	115	70-130	3	20	
o-Xylene	ug/kg	<25.0	1350	1350	1490	1580	111	118	70-130	6	20	
Styrene	ug/kg	<25.0	1350	1350	1600	1710	119	127	70-130	6	20	
Tetrachloroethene	ug/kg	34.3J	1350	1350	1390	1440	101	105	70-130	3	20	
Toluene	ug/kg	<25.0	1350	1350	1520	1600	113	119	80-121	5	20	
trans-1,2-Dichloroethene	ug/kg	<25.0	1350	1350	1430	1550	106	115	70-130	8	20	
trans-1,3-Dichloropropene	ug/kg	<25.0	1350	1350	1380	1460	103	108	70-130	5	20	
Trichloroethene	ug/kg	<25.0	1350	1350	1470	1430	109	106	70-130	3	20	
Trichlorofluoromethane	ug/kg	<25.0	1350	1350	1220	1270	91	94	60-141	4	26	
Vinyl chloride	ug/kg	<25.0	1350	1350	1350	1380	100	103	46-121	2	20	
4-Bromofluorobenzene (S)	%						118	119	54-126			
Dibromofluoromethane (S)	%						118	121	57-146			
Toluene-d8 (S)	%						117	122	64-134			

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185852

QC Batch: 319166 Analysis Method: EPA 8260
QC Batch Method: EPA 5035/5030B Analysis Description: 8260 MSV Med Level Normal List
Associated Lab Samples: 40185852012

METHOD BLANK: 1854667 Matrix: Solid
Associated Lab Samples: 40185852012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/kg	<13.7	50.0	04/23/19 08:02	
1,1,1-Trichloroethane	ug/kg	<14.4	50.0	04/23/19 08:02	
1,1,2,2-Tetrachloroethane	ug/kg	<17.5	50.0	04/23/19 08:02	
1,1,2-Trichloroethane	ug/kg	<20.2	50.0	04/23/19 08:02	
1,1-Dichloroethane	ug/kg	<17.6	50.0	04/23/19 08:02	
1,1-Dichloroethene	ug/kg	<17.6	50.0	04/23/19 08:02	
1,1-Dichloropropene	ug/kg	<14.0	50.0	04/23/19 08:02	
1,2,3-Trichlorobenzene	ug/kg	<17.0	50.0	04/23/19 08:02	
1,2,3-Trichloropropane	ug/kg	<22.3	50.0	04/23/19 08:02	
1,2,4-Trichlorobenzene	ug/kg	<47.6	250	04/23/19 08:02	
1,2,4-Trimethylbenzene	ug/kg	<12.2	50.0	04/23/19 08:02	
1,2-Dibromo-3-chloropropane	ug/kg	<91.2	250	04/23/19 08:02	
1,2-Dibromoethane (EDB)	ug/kg	<14.7	50.0	04/23/19 08:02	
1,2-Dichlorobenzene	ug/kg	<16.2	50.0	04/23/19 08:02	
1,2-Dichloroethane	ug/kg	<15.0	50.0	04/23/19 08:02	
1,2-Dichloropropane	ug/kg	<16.8	50.0	04/23/19 08:02	
1,3,5-Trimethylbenzene	ug/kg	<14.5	50.0	04/23/19 08:02	
1,3-Dichlorobenzene	ug/kg	<13.2	50.0	04/23/19 08:02	
1,3-Dichloropropane	ug/kg	<12.0	50.0	04/23/19 08:02	
1,4-Dichlorobenzene	ug/kg	<15.9	50.0	04/23/19 08:02	
2,2-Dichloropropane	ug/kg	<12.6	50.0	04/23/19 08:02	
2-Chlorotoluene	ug/kg	<15.8	50.0	04/23/19 08:02	
4-Chlorotoluene	ug/kg	<13.0	50.0	04/23/19 08:02	
Benzene	ug/kg	<9.2	20.0	04/23/19 08:02	
Bromobenzene	ug/kg	<20.6	50.0	04/23/19 08:02	
Bromochloromethane	ug/kg	<21.4	50.0	04/23/19 08:02	
Bromodichloromethane	ug/kg	<9.8	50.0	04/23/19 08:02	
Bromoform	ug/kg	<19.8	50.0	04/23/19 08:02	
Bromomethane	ug/kg	<69.9	250	04/23/19 08:02	
Carbon tetrachloride	ug/kg	<12.1	50.0	04/23/19 08:02	
Chlorobenzene	ug/kg	<14.8	50.0	04/23/19 08:02	
Chloroethane	ug/kg	<67.0	250	04/23/19 08:02	
Chloroform	ug/kg	<46.4	250	04/23/19 08:02	
Chloromethane	ug/kg	<20.4	50.0	04/23/19 08:02	
cis-1,2-Dichloroethene	ug/kg	<16.6	50.0	04/23/19 08:02	
cis-1,3-Dichloropropene	ug/kg	<16.6	50.0	04/23/19 08:02	
Dibromochloromethane	ug/kg	<17.9	50.0	04/23/19 08:02	
Dibromomethane	ug/kg	<19.3	50.0	04/23/19 08:02	
Dichlorodifluoromethane	ug/kg	<12.3	50.0	04/23/19 08:02	
Diisopropyl ether	ug/kg	<17.7	50.0	04/23/19 08:02	
Ethylbenzene	ug/kg	<12.4	50.0	04/23/19 08:02	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

METHOD BLANK: 1854667

Matrix: Solid

Associated Lab Samples: 40185852012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/kg	<24.5	50.0	04/23/19 08:02	
Isopropylbenzene (Cumene)	ug/kg	<12.6	50.0	04/23/19 08:02	
m&p-Xylene	ug/kg	<34.4	100	04/23/19 08:02	
Methyl-tert-butyl ether	ug/kg	<12.7	50.0	04/23/19 08:02	
Methylene Chloride	ug/kg	<16.2	50.0	04/23/19 08:02	
n-Butylbenzene	ug/kg	<10.5	50.0	04/23/19 08:02	
n-Propylbenzene	ug/kg	<11.6	50.0	04/23/19 08:02	
Naphthalene	ug/kg	<40.0	250	04/23/19 08:02	
o-Xylene	ug/kg	<14.0	50.0	04/23/19 08:02	
p-Isopropyltoluene	ug/kg	<12.0	50.0	04/23/19 08:02	
sec-Butylbenzene	ug/kg	<11.9	50.0	04/23/19 08:02	
Styrene	ug/kg	<9.0	50.0	04/23/19 08:02	
tert-Butylbenzene	ug/kg	<9.5	50.0	04/23/19 08:02	
Tetrachloroethene	ug/kg	<12.9	50.0	04/23/19 08:02	
Toluene	ug/kg	<11.2	50.0	04/23/19 08:02	
trans-1,2-Dichloroethene	ug/kg	<16.5	50.0	04/23/19 08:02	
trans-1,3-Dichloropropene	ug/kg	<14.4	50.0	04/23/19 08:02	
Trichloroethene	ug/kg	<23.6	50.0	04/23/19 08:02	
Trichlorofluoromethane	ug/kg	<24.7	50.0	04/23/19 08:02	
Vinyl chloride	ug/kg	<21.1	50.0	04/23/19 08:02	
4-Bromofluorobenzene (S)	%	107	54-126	04/23/19 08:02	
Dibromofluoromethane (S)	%	94	57-146	04/23/19 08:02	
Toluene-d8 (S)	%	96	64-134	04/23/19 08:02	

LABORATORY CONTROL SAMPLE: 1854668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/kg	2500	2320	93	70-132	
1,1,2,2-Tetrachloroethane	ug/kg	2500	2640	105	70-130	
1,1,2-Trichloroethane	ug/kg	2500	2570	103	70-130	
1,1-Dichloroethane	ug/kg	2500	2560	103	70-130	
1,1-Dichloroethene	ug/kg	2500	2360	94	77-126	
1,2,4-Trichlorobenzene	ug/kg	2500	2090	84	66-130	
1,2-Dibromo-3-chloropropane	ug/kg	2500	1990	80	54-129	
1,2-Dibromoethane (EDB)	ug/kg	2500	2520	101	70-130	
1,2-Dichlorobenzene	ug/kg	2500	2380	95	70-130	
1,2-Dichloroethane	ug/kg	2500	2790	112	70-134	
1,2-Dichloropropane	ug/kg	2500	2670	107	74-124	
1,3-Dichlorobenzene	ug/kg	2500	2530	101	70-130	
1,4-Dichlorobenzene	ug/kg	2500	2390	96	70-130	
Benzene	ug/kg	2500	2540	102	70-130	
Bromodichloromethane	ug/kg	2500	2510	100	70-130	
Bromoform	ug/kg	2500	2490	99	47-115	
Bromomethane	ug/kg	2500	3130	125	64-165	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

LABORATORY CONTROL SAMPLE: 1854668

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/kg	2500	2130	85	70-131	
Chlorobenzene	ug/kg	2500	2580	103	70-130	
Chloroethane	ug/kg	2500	2540	101	28-197	
Chloroform	ug/kg	2500	2510	100	80-131	
Chloromethane	ug/kg	2500	1850	74	45-118	
cis-1,2-Dichloroethene	ug/kg	2500	2380	95	70-130	
cis-1,3-Dichloropropene	ug/kg	2500	2600	104	70-130	
Dibromochloromethane	ug/kg	2500	2400	96	70-130	
Dichlorodifluoromethane	ug/kg	2500	1350	54	38-108	
Ethylbenzene	ug/kg	2500	2570	103	82-122	
Isopropylbenzene (Cumene)	ug/kg	2500	2740	110	70-130	
m&p-Xylene	ug/kg	5000	5200	104	70-130	
Methyl-tert-butyl ether	ug/kg	2500	2650	106	70-130	
Methylene Chloride	ug/kg	2500	2630	105	70-130	
o-Xylene	ug/kg	2500	2610	105	70-130	
Styrene	ug/kg	2500	2860	114	70-130	
Tetrachloroethene	ug/kg	2500	2220	89	70-130	
Toluene	ug/kg	2500	2370	95	80-121	
trans-1,2-Dichloroethene	ug/kg	2500	2420	97	70-130	
trans-1,3-Dichloropropene	ug/kg	2500	2420	97	70-130	
Trichloroethene	ug/kg	2500	2500	100	70-130	
Trichlorofluoromethane	ug/kg	2500	2540	102	81-141	
Vinyl chloride	ug/kg	2500	2000	80	68-121	
4-Bromofluorobenzene (S)	%			114	54-126	
Dibromofluoromethane (S)	%			103	57-146	
Toluene-d8 (S)	%			96	64-134	

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QUALITY CONTROL DATA

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

QC Batch:	319503	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	40185852001, 40185852002, 40185852003, 40185852004, 40185852005, 40185852006, 40185852007		

SAMPLE DUPLICATE: 1856492

Parameter	Units	40186223003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	16.4	16.5	1	10	

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QUALIFIERS

Project: 11-0604 BLOCK CLEANERS
Pace Project No.: 40185852

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.

ANALYTE QUALIFIERS

- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.
- 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.
- W Non-detect results are reported on a wet weight basis.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 11-0604 BLOCK CLEANERS

Pace Project No.: 40185852

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40185852001	P-1:2-4	EPA 5035/5030B	318656	EPA 8260	318661
40185852002	P-1:6-8	EPA 5035/5030B	318656	EPA 8260	318661
40185852003	P-2:2-4	EPA 5035/5030B	318656	EPA 8260	318661
40185852004	P-2:6-8	EPA 5035/5030B	318656	EPA 8260	318661
40185852005	P-3:2-4	EPA 5035/5030B	318656	EPA 8260	318661
40185852006	P-3:6-8	EPA 5035/5030B	318656	EPA 8260	318661
40185852007	P-4:2-4	EPA 5035/5030B	318656	EPA 8260	318661
40185852008	P-4:6-8	EPA 5035/5030B	318656	EPA 8260	318661
40185852009	P-5:2-4	EPA 5035/5030B	318656	EPA 8260	318661
40185852010	P-5:6-8	EPA 5035/5030B	318656	EPA 8260	318661
40185852011	P-6:2-4	EPA 5035/5030B	318656	EPA 8260	318661
40185852012	P-6:6-8	EPA 5035/5030B	319166	EPA 8260	319172
40185852013	METH BLANK	EPA 5035/5030B	318656	EPA 8260	318661
40185852001	P-1:2-4	ASTM D2974-87	319503		
40185852002	P-1:6-8	ASTM D2974-87	319503		
40185852003	P-2:2-4	ASTM D2974-87	319503		
40185852004	P-2:6-8	ASTM D2974-87	319503		
40185852005	P-3:2-4	ASTM D2974-87	319503		
40185852006	P-3:6-8	ASTM D2974-87	319503		
40185852007	P-4:2-4	ASTM D2974-87	319503		
40185852008	P-4:6-8	ASTM D2974-87	319738		
40185852009	P-5:2-4	ASTM D2974-87	319738		
40185852010	P-5:6-8	ASTM D2974-87	319738		
40185852011	P-6:2-4	ASTM D2974-87	319738		
40185852012	P-6:6-8	ASTM D2974-87	319738		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name: Reddy Earth Conservation
 Branch/Location: Aspen Barbery
 Project Contact: 262-522-3572
 Phone: 1-0604
 Project Number: Buck Cleaners
 Project Name: W1
 Project State: W1
 Sampled By (Print): Jason Barbery
 Sampled By (Sign): [Signature]
 PO #: [Signature]



CHAIN OF CUSTODY

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

FILTERED?
 (YES/NO)
 PRESERVATION
 (CODE)*

Data Package Options (billable)
 EPA Level III
 EPA Level IV
 On your sample (billable)
 NOT needed on your sample

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

PAGE LAB #	CLIENT FIELD ID	DATE	COLLECTION TIME	MATRIX	Analyses Requested	
					Y/N	Pick Letter
001	P-1:2-4	4-12-19		S		VOC
002	P-1:6-8					
003	P-2:2-4					
004	P-2:6-8					
005	P-3:2-4					
006	P-3:6-8					
007	P-4:2-4					
008	P-4:6-8					
009	P-5:2-4					
010	P-5:6-8					
011	P-6:2-4					
012	P-6:6-8					
013	MESH BLANK					

Rush Turnaround Time Requested - Prelims
 (Rush TAT subject to approval/surcharge)
 Date Needed: 4-15-19
 Transmit Prelim Rush Results by (complete what you want)
 Email #1: [Signature] Date/Time: 4-15-19 9:30
 Email #2: [Signature] Date/Time: 4/16/19 0930
 Telephone: [Signature] Date/Time: 4/16/19 0930
 Fax: [Signature] Date/Time: 4/16/19 0930

Quote #: 40185852
 Mail To Contact: [Signature]
 Mail To Company: [Signature]
 Mail To Address: Ubarbery@reddearthinc.net
 Invoice To Contact:
 Invoice To Company:
 Invoice To Address:
 Invoice To Phone:
 CLIENT COMMENTS: P10 = 1
 LAB COMMENTS (Lab Use Only):
 Profile #

Received By: [Signature] Date/Time: 4/15/19 9:30
 Received By: [Signature] Date/Time: 4/16/19 0930
 Received By: [Signature] Date/Time: 4/16/19 0930
 RECEIVED BY: [Signature] DATE/TIME: 4/16/19 0930
 Receipt Temp = 26.1 °C
 Sample Receipt pH
 OK / Adjusted
 Cooler Custody Seal
 Erased / Not Present
 Intact / Not Intact



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#: 40185852



Client Name: Ready Earth

Courier: CS Logistics Fed Ex Speedee UPS Walco
 Client Pace Other: _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Custody Seal on Samples Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Thermometer Used SR - N/A Type of Ice: Wet Blue Dry None Samples on ice, cooling process has begun

Cooler Temperature Uncorr: R01 / Corr: _____

Temp Blank Present: yes no Biological Tissue is Frozen: yes no

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

Person examining contents:
Date: 4/16/19
Initials: PL

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2. No pg#, invoice, preservation, filter, time <u>4/16/19</u>
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3. <u>PL</u>
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
- VOA Samples frozen upon receipt	<input type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	7.
Sufficient Volume:	For Analysis: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No MS/MSD: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. Syringe used for dry weight ≈ 17 grams <u>4/16/19 PL</u>
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
-Pace Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
-Pace IR Containers Used:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. No time <u>4/16/19 PL</u>
-Includes date/time/ID/Analysis Matrix: <u>S</u>		
Trip Blank Present:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. MEOH Blank <u>4/16/19 PL</u>
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>B314101UB</u>		

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

If checked, see attached form for additional comments

Comments/ Resolution: _____

Project Manager Review: _____

Date: 4/16/19