PERIODIC REVIEW REPORT
NYSDEC SITE No.: 709001

For

FORMER BORDEN CHEMICAL FACILITY
108-112 NORTH MAIN STREET
BAINBRIDGE, NEW YORK 13733

Prepared for

COLUMBUS REAL ESTATE LLC
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SUITE 300
RALEIGH, NORTH CAROLINA 27601

Prepared by

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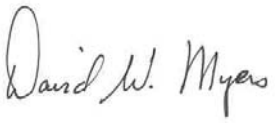
PSI Project No 0836538

December 11, 2015



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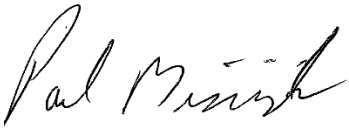

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1.0 EXECUTIVE SUMMARY

This Periodic Review Report (PRR) is required as an element of the remedial program at Former Borden Resin Facility (hereinafter referred to as the "Site") under the New York State (NYS) Inactive Hazardous Waste Disposal Site Remedial Program administered by New York State Department of Environmental Conservation (NYSDEC). The site was remediated in accordance with Order on Consent Index #A7-01210-87-09, Site # 709001, which was executed on November 21, 1990 and amended last on November 14, 2008; however, limited soil and groundwater contamination still exist at the Site. The Site location is shown in **Figure 1**.

The project site as described in the NYSDEC approved Site Management Plan (SMP) covers the 78.66-acre property. Extensive soil, sediment and groundwater Resource Conservation Recovery Act (RCRA) Investigations were conducted to evaluate all Solid Waste Management Units (SWMUs). The SWMUs that were investigated and remediated on the 78.66 acre Site are noted below:

- PCB Area;
- Bone Yard;
- Phenol Recovery Area (PRA);
- Land Application Areas (LAA);
- Storm/Process Sewers;
- Eastern (Beatty) Creek; and
- Groundwater.

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system placed over a portion of the site as defined as generally within the areas subject to Deed Notification. PSI performed the 2015 annual inspection on November 3, 2015 and the observations made during the annual inspection did not indicate the presence of any breaches, penetrations or temporarily removed soil exposing any underlying remaining contamination.

The restoration associated with the excavations of Ponds 1 and 2 have been completed as documented in the November 2013 PRR. The concentrations of phenolics and BTEX compounds detected in the November 3, 2015 sampling are generally significantly lower to those encountered during the May 2015 and November 2014 sampling events. The elevation of groundwater is lower in November 2015 than the May 2015 time frame but very similar to the November 2014 time frame. The phenolic and BTEX fluctuations observed during the November 3, 2015 sampling event are typical of what has occurred during the last six (6) to eight years (8) and trying to relate them to seasonal changes can't at this time be accurately stated.

The Institutional Controls (ICs) required by the SMP should be continued and Site restrictions that previously applied to the Site Property should still apply.

The responsible remedial party has prepared a written statement to NYSDEC that certifies, under penalty of perjury, that: (1) controls employed at the Site Property, except as noted at the end of Section 2, are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. The following PRR is the required annual statement that certifies as requested.

2.0 SITE OVERVIEW

The Site originally was approximately a 210-acre property located in Village of Bainbridge, Chenango County, New York (See **Figure 1**.). This property was originally owned and operated by Borden, Inc. beginning in the early 1940's and continuing until approximately 1981. The facility produced solid and liquid synthetic resins such as phenol-formaldehyde, urea-formaldehyde, melamine-formaldehyde, and polyvinyl acetate in large reactor vessels on site. The facility generated and stored wastes associated with the production of these resins in several areas of the site.

In early 1981 production activities were terminated and Borden began closing the facility in conjunction with the Unites States Environmental Protection Agency (EPA) and the NYSDEC. Various sampling events conducted by consultants, EPA, and NYSDEC since 1981 have identified contamination at the site.

In 1990 Borden entered into a Consent Agreement with the State of New York to develop and implement an inactive hazardous waste disposal site remedial program. Facility investigation reports were submitted in July 1992 and August 1996 by others and approved by NYSDEC in December 1996. A Corrective Measures Study (CMS) Report was submitted in February 1997 and was revised and approved by the NYSDEC in April 1998. In December 1997 the site was purchased by Columbus Real Estate, LLC. (CRE). A final Corrective Measures Implementation (CMI) Plan was approved by the NYSDEC in November 1998.

Sections of the original 210-acre area have been released from the Order on Consent by NYSDEC. PSI understands that an 111-acre parcel north of the former Borden Facility was released with no outstanding remedial obligations in November 14, 2008. The project site as described in the NYSDEC approved SMP covers the 78.66-acre property within the boundaries shown in **Figure 2**.

Extensive soil, sediment and groundwater RCRA Investigations were conducted to evaluate all SWMUs. Data from hundreds of soil/sediment samples and 40 groundwater monitoring wells were gathered to define the extent of any impacts. From these data, Interim Corrective Measures (ICM) and Final Corrective Measures (FCM) actions and goals for Site remedy were created and presented in the NYSDEC *Final Statement of Basis for the Former Borden Facility* (FSOB) dated 19 November 1998.

The SWMUs that were investigated and remediated on the 78.66 acre Site are noted below and shown on **Figure 3**:

- PCB Area;

- Bone Yard;
- PRA;
- LAA;
- Storm/Process Sewers;
- Eastern (Beatty) Creek; and
- Groundwater.

Remaining contamination at the Site is discussed below by specific area.

PCB Area:

The contamination is located in the native soil below the clean fill materials used to backfill the excavation. Contamination in the smaller northern area is located at a depth between 4 to 6-feet bgs at concentrations <4 mg/kg. There are no known active public or private utilities in this area.

Bone Yard Area:

Contaminated soil is located at a depth between 1 to 6-feet bgs located beneath the fill material used to backfill the excavation. There are no known active public or private utilities in this area.

Phenol Recovery Area:

Conservative soil management activities in the PRA area will start at depths of 3-feet bgs. The majority of the area is covered with clean fill materials or soils that have been remediated. The fill depth varies across the area. One known underground utility is located in the southern portion of the PRA area, running east to west across the PRA area. The utility is a water line reportedly connected to the fire water suppression line at the Borden Facility and during excavation of this area the integrity of the line was compromised leading to flooding of the excavation.

Land Application Area:

The extent of deed restrictions in the LAA ranges from 1 to 6-feet bgs beneath imported fill materials. There are no known active public or private utilities in this area.

Storm and Process Sewers:

Sediment within the Storm and Process Sewers has reported PCB concentrations above one mg/kg. These sediments were not remediated or mitigated. The depth

of the contamination is unknown; however, bedding below other sanitary sewers was not contaminated much more than 1-foot below the pipe invert.

Groundwater:

Residual groundwater contamination is limited to the PRA and Boneyard areas.

Present Property Status:

PSI understands that the following parcels were recently foreclosed by Chenago County: 254.-1-42.1; 254.1-43; 254.1-44.12; 254.19-1-1.2; 254.19-1-2; 254.19-1-3 and 254.19-1-4 (not subject to the SMP). The parcel 265.08-1-5 (also not subject to the SMP) was withdrawn from foreclosure. The County has received bids on the foreclosed properties and discussions with the Chenago County Clerk indicate the foreclosed properties were purchased by John Payne Enterprises, LLC of Bainbridge, New York.

CRE is prepared to continue carrying out Consent Order obligations related to the Site through the use of a dedicated remediation account and financial assurance accounts. CRE would require an access agreement from John Payne Enterprises, LLC to carry out these obligations.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS AND PROTECTIVENESS

Since remaining contaminated soil and groundwater exists beneath the site, Engineering Controls and Institutional Controls (EC/ICs) are required to protect human health and the environment; however, for the former Borden Facility only Institutional Controls (ICs) are applicable. This PRR provides a description and present status of all ICs on the site; and the present status of the on-site SWMUs as set forth in the Environmental Deed Restriction for the project Site.

3.1 INSTITUTIONAL CONTROL SYSTEMS

Soil Cover

Exposure to remaining contamination in soil/fill at the site is prevented by a soil cover system placed over a portion of the site as defined as generally within the areas subject to Deed Notification. These areas are the PCB area, the Boneyard area, the PRA area and the LAA areas as shown on **Figure 3.** The Soil Cover System is required to be inspected annually for disturbances and erosional features. PSI performed the 2015 annual inspection on November 3, 2015. Observations made during PSI's November 2015 annual inspection did not indicate the presence of any breaches, penetrations or temporarily removed soil exposing any underlying remaining contamination. Procedures for the inspection of these area covers were as discussed in the Monitoring Plan included in Section 4 of the Site SMP.

3.2 PRA SOIL WORK

In April 2007, NYSDEC agreed to a land farming remedial effort for soil stockpiled during the 2005 excavation of Ponds 1 and 2 as shown on **Figure 4**. Stockpiles were leveled and contoured to slope towards the aerated ponds. At monthly intervals the upper foot of soil was sampled for phenols; areas that reported low phenolic concentrations were pushed into Pond 1 and the remaining stockpiled soil was re-leveled and tilled. Land farming activities continued until October 2008 when the majority of excavated soil had been removed from the stockpile area. At the conclusion of the land farming activities, Pond 1 was approximately 90 to 95 percent filled to original pre-excavation elevations. A contingency to the Site SMP by the NYSDEC was that the Pond 2 excavation and the remaining area of the Pond 1 excavation be backfilled to approximate original grade. As previously discussed in the November 2013 PRR, backfilling operations associated with Ponds 1 and 2 were completed in December 2012 and May 2013.

During the June 28, 2013 groundwater sampling event, PSI and their landscaping sub-contractor hydro-seeded the area associated with the former excavations of Ponds 1 and 2.

3.3 SITE-RELATED GROUNDWATER

Residual groundwater contamination is limited to the PRA and Boneyard areas. The primary constituents of concern in the PRA are toluene, phenolic compounds and formaldehyde. To a lesser extent, benzene, ethylbenzene, xylene and semi-volatile tentatively identified compounds (TICs) have been reported. The constituent of concerns in the Boneyard are PCBs and formaldehyde.

To evaluate any potential reduction in concentrations of contaminants or potential off-site migration, semi-annual groundwater monitoring is proposed for 5-years (2015 is the second year of this five year period), followed by an additional 5-years of annual sampling of on-site and off-site monitoring wells will be conducted. The monitoring frequency after 10-years (if necessary) will be determined by the Qualified Environmental Professional (QEP) and approved by the NYSDEC. Trends in contaminant concentrations of groundwater in the affected areas will be evaluated to determine if the remedy continues to be effective in achieving remedial goals. Monitoring programs are summarized in the Table below.

Monitoring Plan

Monitoring Program	Frequency*	Matrix	Analysis
Groundwater	Semi-annually for 5-years, followed by 5-years of annual sampling to be re-evaluated in 10-years	Groundwater	BTEX, phenols, PCBs, and formaldehyde as specified in **Table 1**.

* The frequency of events will be conducted as specified until otherwise approved by the NYSDEC.

Groundwater monitoring will be performed on a periodic basis to assess the performance of the remedy. The network of monitoring wells (**Figures 4 and 4A**) has been installed to monitor both up-gradient and down-gradient groundwater conditions at the site. **Table 1** presents the monitoring wells to be sampled and the analyses required. The November 2015 groundwater sampling event is summarized in Section 4.

4.0 MONITORING PLAN COMPLIANCE REPORT

4.1 MONITORING WELL MEASUREMENTS

PSI collected depth to water level measurements from nine (9) monitoring wells (MW-15, MW-16, MW-19, MW-27, MW-28, MW-30, MW-35R, OW-10R, and OW-35R) associated with the PRA as required by the SMP during the November 3, 2015 sampling event. Monitoring well locations are presented on **Figure 4.** Monitoring Well MW-35R was installed on March 28, 2014 in the approximate location of Former MW-35 which could not be relocated. The approximate locations of monitoring wells MW-2B, MW-17 and MW-21 which are sampled during the May semi-annual event are presented on **Figure 4A**.

Ground water level measurements were collected using an electronic water level indicator and recorded to an accuracy of 0.01 feet. The water level indicator probe and tape was washed with a Liquinox® solution and rinsed with distilled water between measurements. Depths to water measurements were used to calculate ground water elevations for the Site as presented on **Table 2**. Groundwater levels were approximately 0.10-feet to 1.12-feet lower than the May 2015 sampling event with the exception of OW-10R which is 0.03 feet higher. A ground water elevation contour map for the PRA was drafted from these data and presented as **Figure 5**. As shown on **Figure 5**, ground water appears to flow generally in a southeasterly component under the Site toward Beatty Creek. Beatty Creek then continues southeast for approximately 1-mile and flows into the Susquehanna River.

4.2 GROUNDWATER SAMPLING

During the sampling event, water samples were obtained from nine (9) monitoring wells as required by the NYSDEC. In addition, a water sample was collected from Beatty Creek just east of the railroad bridge from a running portion of the creek as a “grab” sample.

The monitoring wells were purged and sampled in accordance with the United States Environmental Protection Agency’s (USEPA) low-flow well purging/sample collection techniques. PSI used calibrated YSI 600XL meters equipped with flow-through cells with probes and meters for measuring ground water quality parameters such as pH, temperature, specific conductivity, dissolved oxygen and oxidation/ reduction potential. Wells were purged until ground water parameters stabilized for three consecutive readings at five-minute intervals. A sample was then collected from each well. The purge water was collected in pails and then disposed on the ground adjacent to the well where the sample was obtained. All samples were placed in a pre-chilled thermally insulated container containing ice prior to delivery to the analytical laboratory, Pace Analytical (Pace) of Schenectady, New York under chain of custody (COC) protocol. Pace is a New York State Department of Health (NYSDOH) Environmental Laboratory

Accreditation Program (ELAP) approved laboratory. The samples were analyzed according to the matrix presented in **Table 3**. Ground water quality parameters, pH, temperature, conductivity, DO and ORP are summarized and presented on **Table 4**.

4.3 GROUNDWATER SAMPLING RESULTS

Ten (10) of the ten (10) samples were analyzed for phenol by USEPA Method 8270. As shown on **Table 5**, phenol was detected above the NYSDEC Part 703.5 Standard of 1.0 microgram per liter (µg/l) in samples collected from MW-15, MW-19, MW-30, and OW-10R. The concentrations were 121,407 µg/l, 6.0 µg/l, 24.0 µg/l, and 12.0 µg/l, respectively. Phenol was detected at a concentration of 88.0 µg/l in the Duplicate Sample which was taken at the OW-35R location. The OW-35R sample indicated that Phenol was detected at a concentration of 1.4 µg/l. Phenol was not detected above the project laboratory reporting limit of 1.0 µg/l in the remaining five (5) samples. The concentrations of phenol detected in the November 3, 2015 sampling are “lower” in MW-15, MW-19, MW-30 and OW-10R than the May 2015 sampling event but in the OW-35R (Duplicate) there was an increase in the phenol concentration as shown on **Table 6**.

Benzene, toluene, ethylbenzene and xylene (BTEX) compounds analyzed during the November 3, 2015 sampling event are summarized on **Table 5**. Benzene was reported above the NYSDEC Part 703.5 Standard of 1.0 µg/l in MW-15, MW-28, OW-10R and OW-35R. The results from these four (4) wells ranged from 1.7 µg/l in OW-35R to 22.0 µg/l in MW-15. Ethylbenzene was reported above the NYSDEC Part 703.5 Standard of 5.0 µg/l in MW-15 at a concentration of 6.0 µg/l. Toluene was reported above the NYSDEC Part 703.5 Standard of 5.0 µg/l in MW-15, and OW-10R. The results from these two wells ranged from 460 µg/l in MW-15 to 10 µg/l in OW-10R. Xylenes were detected in MW-15 and OW-10R but the concentrations were below the NYSDEC Part 703.5 Standard of 5.0 µg/l. The BTEX concentrations observed during this November 2015 sampling event were generally lower than the May 2015 sampling event.

A copy of the analytical data and laboratory report with associated QA/QC are included as **Appendix A**.

4.4 MONITORED NATURAL ATTENUATION EVALUATION

Ground water quality parameters, pH, temperature, specific conductivity, DO and ORP are summarized and presented on **Table 4**. There does not appear to be any direct relationship between the samples with the higher concentrations of phenols and BTEX concentrations with any of the natural attenuation parameters during this round of sampling.

5.0 CONCLUSIONS/RECOMMENDATIONS

5.1 CONCLUSIONS

The concentrations of phenol and BTEX compounds detected in the November 3, 2015 sampling are generally significantly lower to those encountered during the May 2015 and November 2014 sampling events. The elevation of groundwater is generally lower in November 2015 than the May 2015 time frame but very similar to the November 2014 time frame. The phenol and BTEX fluctuations observed during the November 3, 2015 sampling event are typical of what has occurred during the last six (6) to eight years (8) and trying to relate them to seasonal changes can't at this time be accurately stated.

5.2 RECOMMENDATIONS

The Institutional Controls required by the SMP should be continued and are as follows: (1) monitor soil cover system; (2) prevent future exposure to contamination by controlling disturbances of the subsurface; and, (3) limit the use and development of the site to restrictive commercial uses only.

Site restrictions that previously applied to the Site Property should still apply and are:

- The property may only be used for restricted commercial or restricted industrial use provided that the long-term Engineering Control included in the Site SMP is employed.

- The property may not be used for unrestricted, residential, or restricted residential use without additional remediation and amendment of the Environmental Deed Restriction(s), as approved by the NYSDEC.

- All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the Site SMP.

- The use of the groundwater underlying the property is prohibited without treatment rendering it safe for intended use.

- The potential for vapor intrusion must be evaluated for any buildings developed in the PRA and any potential impacts that are identified must be monitored or mitigated.

- Vegetable gardens and farming on the property are prohibited.

- The responsible remedial party has prepared a written statement to NYSDEC that certifies, under penalty of perjury, that: (1) controls employed at the Site Property, except as noted at the end of Section 2, are unchanged from the previous certification or that any changes to the controls were approved by the NYSDEC; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. NYSDEC retains the right to access such Site Property at any time in order to evaluate the continued maintenance of any and all controls. This certification shall be submitted annually, or an alternate period of time that NYSDEC may allow and will be made by an expert that the NYSDEC finds acceptable. This PRR is the required annual statement that certifies as requested above.

6.0 RESTRICTIONS OF USE

6.1 WARRANTY

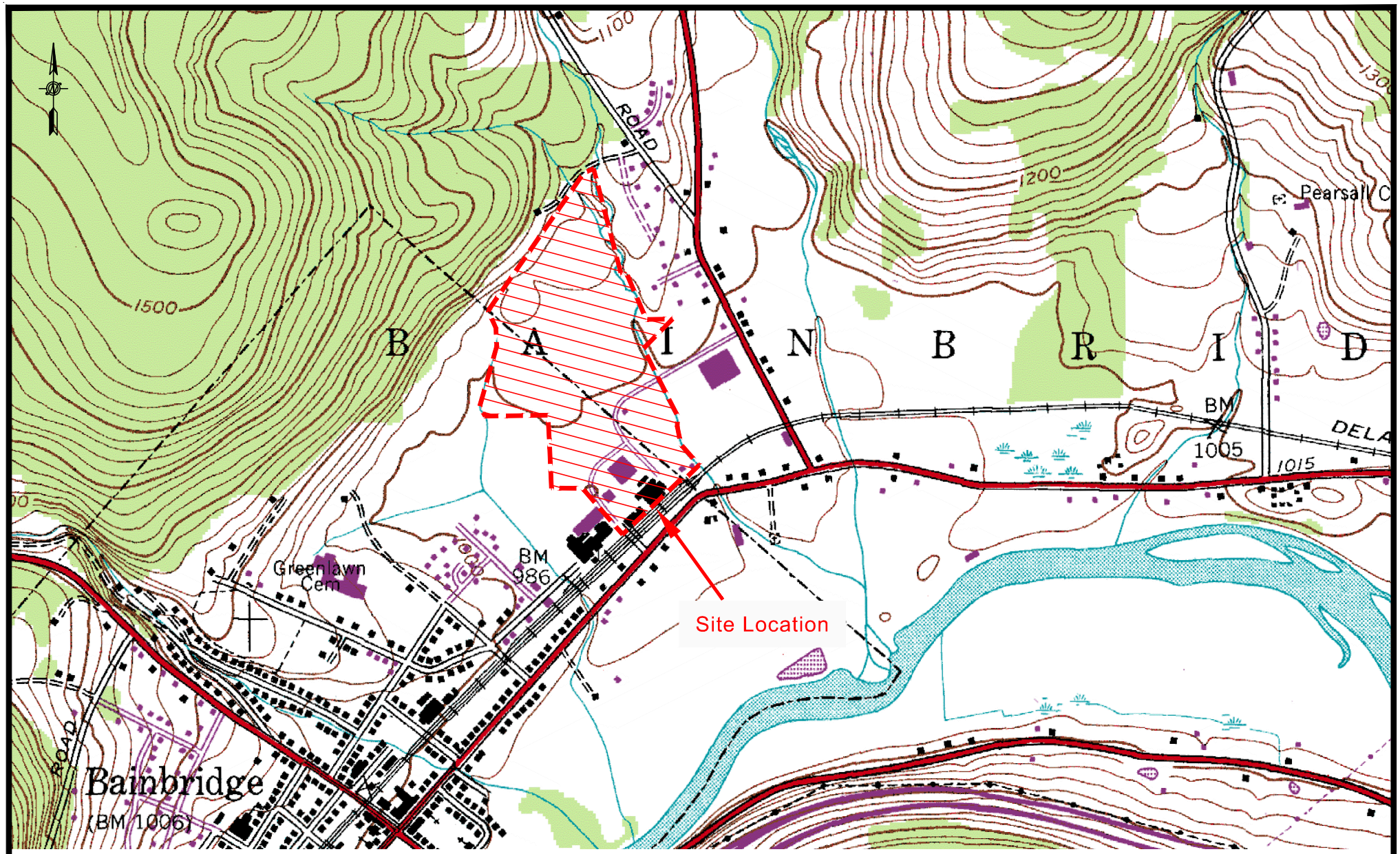
The information provided in this Periodic Review Report prepared by PSI under Project Number 0836665-1 is intended exclusively for CRE as they pertain to the Former Borden Facility located in Bainbridge, New York. The professional services provided have been performed in accordance with practices generally accepted by other appropriate environmental professionals, geologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made.

PSI is not an insurer and makes no guarantee or warranty that the services supplied will avert or mitigate occurrences, or the consequences of occurrences, that the services are designed to prevent or ameliorate. This report is issued with the understanding that the Client is responsible for ensuring that the information contained in this report is brought to the attention of the owner and/or tenants.

6.2 USE BY THIRD PARTIES

This report was prepared pursuant to the contract PSI has with CRE, and that contractual relationship included an exchange of information about the subject property that was unique and between PSI and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between PSI and its client, reliance or any use of this report by anyone other than CRE and the State Regulator (the NYSDEC) for whom it was prepared, is prohibited and therefore not foreseeable to PSI.

FIGURES



ALL LOCATIONS ARE APPROXIMATE

IMAGE SOURCE:
U.S.G.S. TOPOGRAPHIC MAP SW/4 UNADILLA 15' QUADRANGLE
SIDNEY, NEW YORK PHOTOREVISED 1982

0 1,200'
GRAPHIC SCALE

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Schenectady, NY 12305
(518) 377-9841 (518) 377-9847 fax

Site Location Topographic Map

Former Borden Resins Facility
108-112 North Main Street
Bainbridge, New York 13733

Checked:	Scale:	Date:	Figure:
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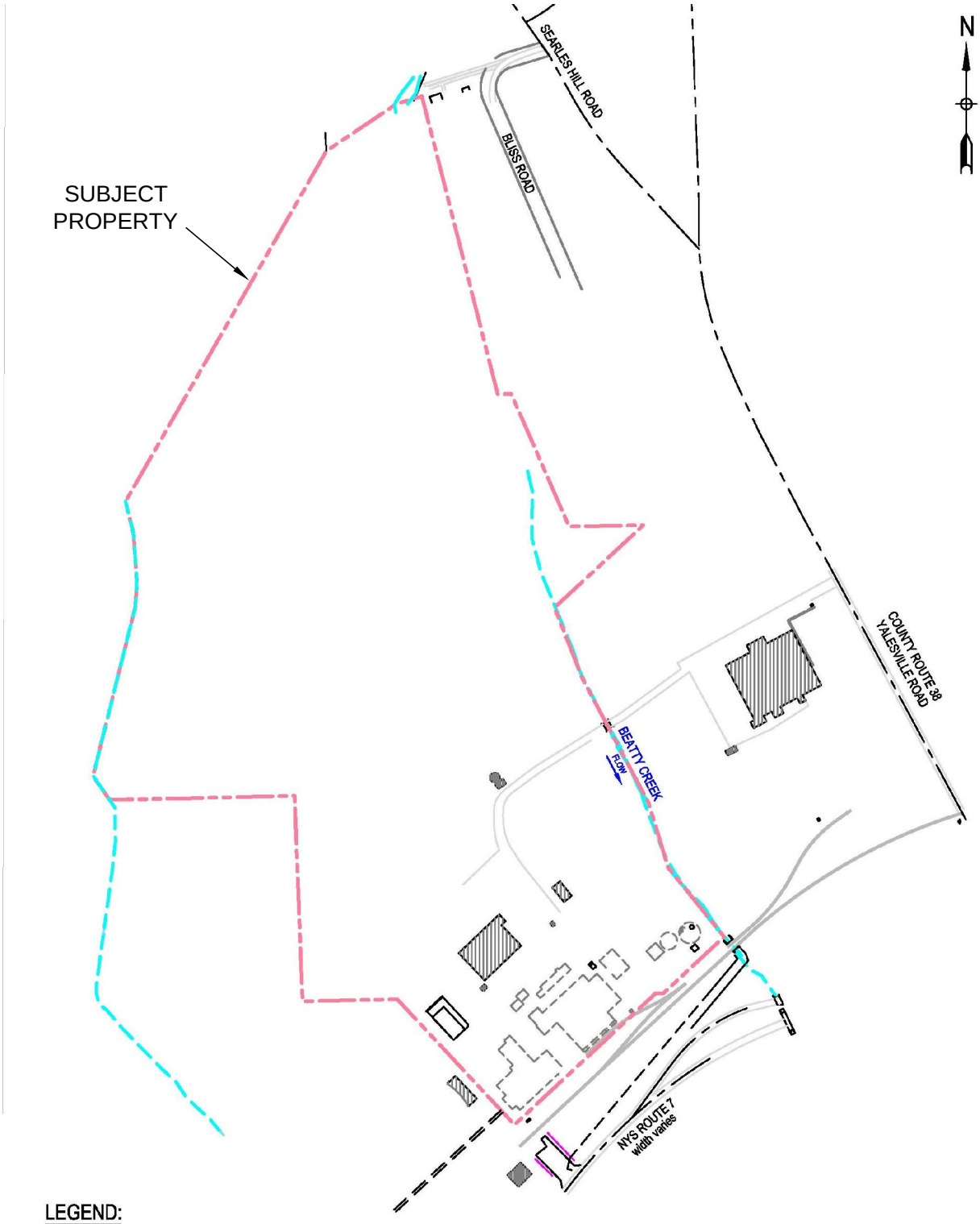
Drawn: C. Moran
0836665-1 2015-Nov Fig 1.dwg

Project Number: 0836665



0 500'

GRAPHIC SCALE

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Site Boundaries

Former Borden Resins Facility
Bainbridge, New York 13733

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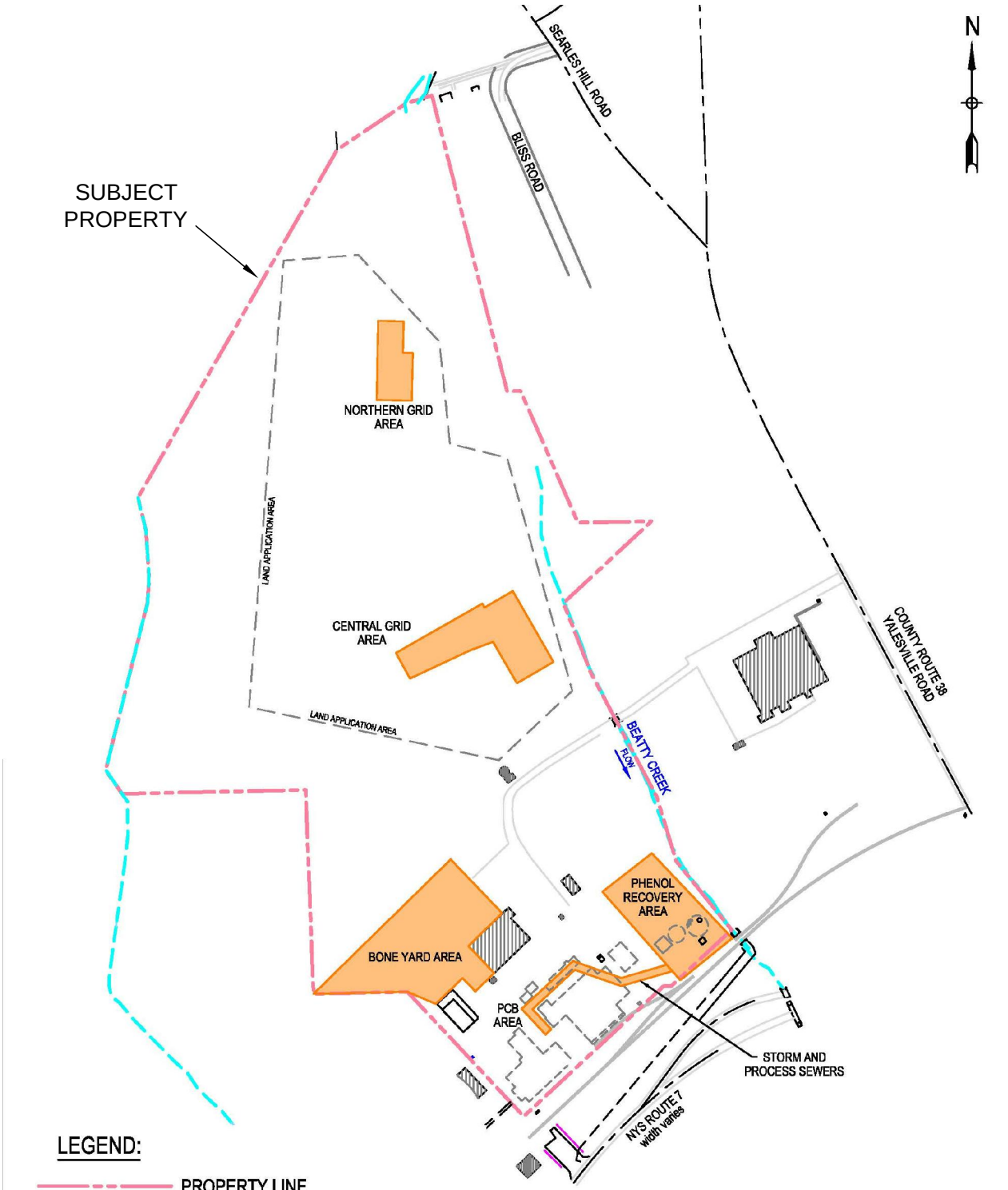
0836665-1 2015-Nov Fig 2-3.dwg

Project Number: 0836665



0 500'

GRAPHIC SCALE

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Waste Management Units

Former Borden Resins Facility
Bainbridge, New York 13733

Checked:	Scale:	Date:	Figure:
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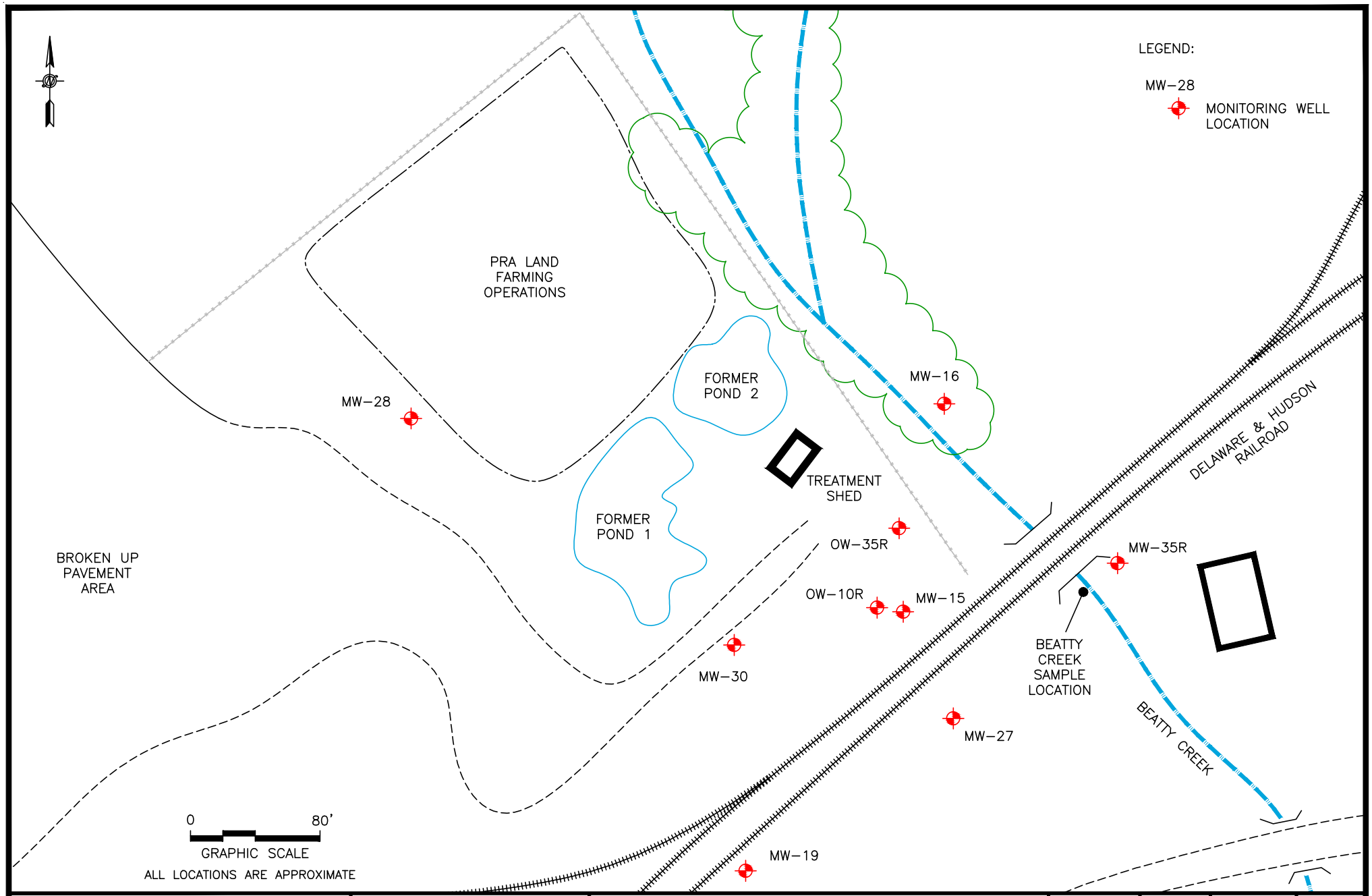
Drawn: C. Moran
0836665-1 2015-Nov Fig 2-3.dwg

Project Number: 0836665



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PRA Area and Monitoring Well Locations

Former Borden Resins Facility
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Bainbridge, New York 13733

Checked:	Scale:	Date:	Figure:
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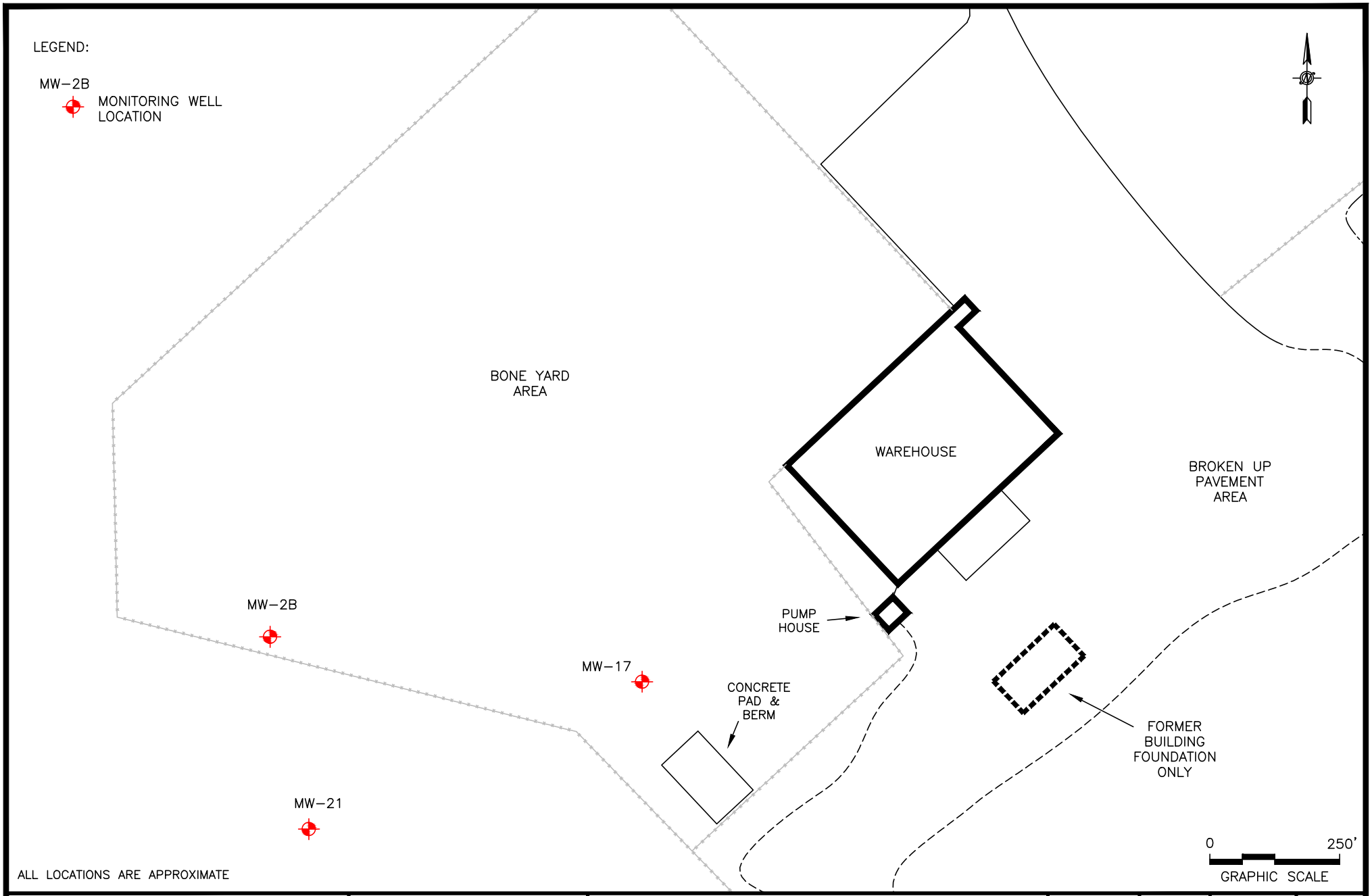
Drawn:	Project Number:
C. Moran	0836665

0836665-1 2015-Nov Fig 4-5.dwg



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Bone Yard Area and Monitoring Well Locations

Former Borden Resins Facility
108-112 North Main Street
Bainbridge, New York 13733

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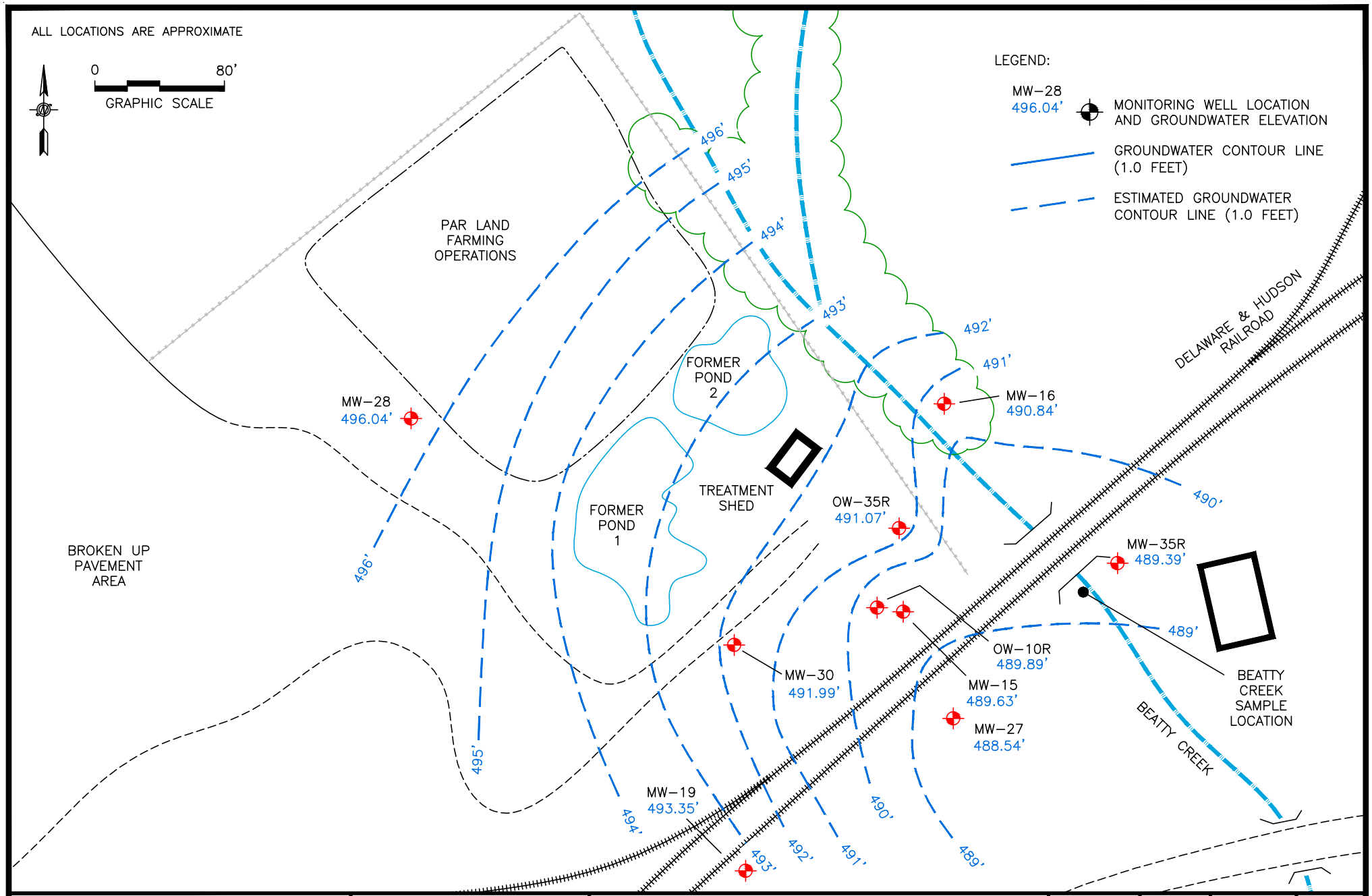
Drawn: C. Moran
0836665-1 2015-Nov Fig-4A.dwg

Project Number: 0836665



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Estimated Groundwater Contour Map - November 2015

Former Borden Resins Facility
108-112 North Main Street
Bainbridge, New York 13733

Checked:	Scale:	Date:	Figure:
D. Myers	None	Nov 4, 2015	5

Drawn:	Project Number:
C. Moran	0836665

0836665-1 2015-Nov Fig 4-5.dwg

TABLES

Table 1 - "Sampling Matrix"
Former Borden Resins Facility
Bainbridge, New York
PSI Project No.: 0836665-1
NYSDEC Site No. 709001

Well/ Monitoring Point	Phenols by USEPA Method 8270	BTEX	Formaldehyde	PCBs
Beatty Creek	Semi-annually	Semi-annually	N/A	N/A
MW-2B	N/A	N/A	N/A	Annually
MW-15	Semi-annually	Semi-annually	N/A	N/A
MW-16	Semi-annually	Semi-annually	Annually	N/A
MW-17	N/A	N/A	N/A	Annually
MW-19	Semi-annually	Semi-annually	N/A	N/A
MW-20	N/A*	N/A*	N/A*	N/A*
MW-22	N/A	N/A	N/A	Annually
MW-27	Semi-annually	Semi-annually	Annually	N/A
MW-28	Semi-annually	Semi-annually	N/A	N/A
MW-30	Semi-annually	Semi-annually	N/A	N/A
MW-35R	Semi-annually	Semi-annually	N/A	N/A
OW-10R	Semi-annually	Semi-annually	Annualy	N/A
OW-35R	Semi-annually	Semi-annually	N/A	N/A

Semi-annually = May and November
Annually = May
N/A = Not Applicable
N/A* = Not Applicable - Well destroyed by 2010 mowing operations.
MW-35R re-installed March 28, 2014.
Original MW-35 not located during November 2013 sampling event.

Table 2 - "Ground Water Elevations - Present and Historic"
Former Borden Resins Facility
Bainbridge, New York
PSI Project No.: 0836665-1
NYSDEC Site No. 709001

Monitoring Well ID	Reference Elevation (feet)*	21-May-14		12-Nov-14		12-May-15		3-Nov-15	
		Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation
MW-2B	505.40	4.41	500.99	NA	NA	5.48	499.92	NA	NA
MW-15	501.02	10.6	490.42	11.36	489.66	11.32	489.70	11.39	489.63
MW-16	496.32	5.00	491.32	5.29	491.03	5.38	490.94	5.48	490.84
MW-17	506.43	4.80	501.63	NA	NA	5.98	500.45	NA	NA
MW-19	504.04	8.96	495.08	10.24	493.80	9.91	494.13	10.69	493.35
MW-21	505.29	6.95	498.34	NA	NA	6.78	498.51	NA	NA
MW-27	493.65	4.12	489.53	4.91	488.74	4.89	488.76	5.11	488.54
MW-28	502.28	4.23	498.05	5.68	496.60	5.48	496.80	6.24	496.04
MW-30	502.29	7.81	494.48	9.82	492.47	9.18	493.11	10.30	491.99
MW-35R	494.44	4.45	489.99	4.85	489.59	4.82	489.62	5.05	489.39
OW-10R	502.49	11.27	491.22	12.70	489.79	12.63	489.86	12.60	489.89
OW-35R	502.04	10.12	491.92	10.75	491.29	10.52	491.52	10.97	491.07

* - Elevations based on new topo obtained from Kaatskill Mountain Surveyors on 28 April 2011.
NA = Not Applicable - Not measured or sampled during the November sampling event
NM = Not Measured

Note - MW-35R re- installed on March 28, 2014. Unable to find original MW-35 monitoring well in November 2013.

Table 3 - Sample Analyses – November 2015

	Analyte	
Well	**BTEX**	**Phenols (8270)**
MW-15	X	X
MW-16	X	X
MW-19	X	X
MW-27	X	X
MW-28	X	X
MW-30	X	X
MW-35R	X	X
OW-10R	X	X
OW-035R	X	X
Beatty Creek	X	X

Table 4 - "Field Results" - Natural Attenuation Parameters

Former Borden Resins Facility
Bainbridge, NY
PSI Project No.: 0836665-1

		November 3, 2015												
Parameters	**NYSDEC Guidance Value or Standard**	**MW-2B**	**MW-15**	**MW-16**	**MW-17**	**MW-19**	**MW-21**	**MW-27**	**MW-28**	**MW-30**	**MW-35R**	**OW-10R**	**OW-35R**	**Beatty Creek**
Temperature (°C)	NS	NA	13.7	11.5	NA	12.2	NA	14.0	15.7	16.1	14.90	13.5	16.6	NA
Conductivity (µS/cm)	NS	NA	856	170	NA	375	NA	187	497	457	125	541	480	NA
DO (mg/l)	NS	NA	0.41	0.57	NA	1.75	NA	0.72	0.64	0.41	3.71	0.53	0.71	NA
pH	NS	NA	6.72	8.04	NA	6.65	NA	6.53	6.72	6.62	6.89	6.48	6.58	NA
Turbidity (NTUs)	NS	NA	26.40	2.50	NA	5.30	NA	26.40	43.90	15.30	201.10	26.10	10.80	NA
ORP (mV)	NS	NA	-15.7	119.2	NA	166.3	NA	-10.1	92.7	117.2	123.1	-48.5	-41.3	NA

Note:
NS: no standard
NA: not analyzed
MW-20 destroyed during 2010 mowing operations.

Table 5 - "Analytical Results - BTEX-Phenols"
Former Borden Resins Facility
Bainbridge, NY
PSI Project No.: 0836665-1

		November 3, 2015													
Analyte (µg/L)	**NYSDEC Standards TOGS 1.1.1 (µg/L)**	**MW-2B**	**MW-15**	**MW-16**	**MW-17**	**MW-19**	**MW-21**	**MW-27**	**MW-28**	**MW-30**	**MW-35R**	**OW-10R**	**OW-035R**	**Duplicate**	**Beatty Creek**
Benzene	1	NA	**22.0**	BRL	NA	BRL	NA	BRL	**2.3**	BRL	BRL	**7.1**	**1.7**	**1.7**	BRL
Ethylbenzene	5	NA	**6.0**	BRL	NA	BRL	NA	BRL	BRL	BRL	BRL	1.0	BRL	BRL	BRL
Toluene	5	NA	**460**	BRL	NA	BRL	NA	BRL	BRL	BRL	BRL	**10**	BRL	BRL	BRL
Xylenes - Total	5	NA	1.4	BRL	NA	BRL	NA	BRL	BRL	BRL	BRL	1.5	BRL	BRL	BRL
Phenols	1	NA	**121,407**	BRL	NA	**6.0**	NA	BRL	BRL	**24.0**	BRL	**12.0**	**1.4**	**88.0**	BRL

Note:
BRL: Below Reporting Limit (see analytical report for reporting limits.)
Duplicate - Collected from OW-35R.
NA: not analyized
Phenols analyzed by EPA 8270.
Bold: Above NYSDEC Referenced Standard

Table 6 - Historic "Analytical Results - Total Phenolics"
Former Borden Resins Facility
Bainbridge, New York
PSI Project No.: 0836665-1
NYSDEC Site No. 709001

	Total Phenolics (µg/L)										
Date	**MW-15**	**MW-16**	**MW-19**	**MW-20**	**MW-27**	**MW-28**	**MW-30**	**MW-35R**	**OW-10R**	**OW-35R**	**Beatty Creek**
3-Nov-15	**121,407**	BRL	**6.0**	Destroyed	BRL	BRL	**24.0**	BRL	**12.0**	**88.0***	BRL
12-May-15	**238,000**	BRL	**6.36**	Destroyed	**62.4**	**46.4**	**53.4**	BRL	**6,655**	**25.14**	BRL
12-Nov-14	**55,100**	BRL	**4.43**	Destroyed	BRL	**39.9**	**6.46**	BRL	**1,896**	**7.79**	BRL
21-May-14	**69,159**	BRL	BRL	Destroyed	**12.75**	0.891	**161**	BRL	**1.319**	BRL	BRL
14-Nov-13	**63,240J**	BRL	**8.1J**	Destroyed	BRL	BRL	**14**	NS	**44.3J**	**2.22J**	BRL
28-Jun-13	**177,010**	BRL	**9.46**	Destroyed	BRL	BRL	BRL	NS	**5,714**	BRL	BRL
12-May-11	**33,200**	BRL	BRL	Destroyed	BRL	BRL	BRL	BRL	**1,460**	**19**	BRL
23-Feb-11	**118**	BRL	NS	Destroyed	BRL	BRL	BRL	BRL	**15,700**	**166**	BRL
4-Nov-10	**379**	BRL	BRL	Destroyed	BRL	BRL	BRL	BRL	**3,842**	**14.1**	BRL
26-Aug-10	**4,640**	BRL	NS	Destroyed	BRL	**1.64 J**	**1.89 J**	BRL	**6,440**	**2.19 J**	BRL
13-May-10	**5,047**	BRL	**6.5**	BRL	BRL	BRL	BRL	BRL	**4,099**	**154**	BRL
17-Feb-10	**4,095**	**6.2**	NS	BRL	BRL	BRL	BRL	BRL	**2,371**	**2.1**	BRL
10-Nov-09	**4,657**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**8,730**	BRL	BRL
4-Aug-09	**635.5**	BRL	NS	BRL	BRL	BRL	BRL	BRL	**1,124**	BRL	BRL
5-May-09	**4,660**	BRL	**8.3**	**5.2**	**3.4**	**2.6**	BRL	BRL	**9,330**	**17.93**	**4**
10-Feb-09	**1,545**	BRL	BRL	BRL	BRL	BRL	BRL	BRL	**550**	**10.7**	BRL
20-Nov-08	**783**	BRL	**7.94**	BRL	BRL	**2.51**	**1.67**	**1.83**	**3,416**	**142.7**	BRL
27-Aug-08	**9.3**	BRL	NS	BRL	BRL	BRL	BRL	BRL	**19.8**	BRL	BRL
8-May-08	**959**	BRL	**3**	BRL	BRL	BRL	BRL	BRL	**--**	**--**	BRL
26 Feb -08[1]	**42.3**	BRL	NS	NS*	BRL	BRL	BRL	BRL	**--**	**--**	BRL
26-Feb-08	**6,600**	BRL	NS	NS*	BRL	BRL	BRL	BRL	**--**	**--**	BRL
20-Nov-07	**220**	**18**	**25**	BRL	**150**	BRL	BRL	BRL	**--**	**--**	BRL
15-Aug-07	**43**	BRL	NS	BRL	BRL	**79**	BRL	BRL	**--**	**--**	BRL
17-May-07	**329**	**16**	BRL	BRL	**32**	**20**	BRL	**30**	**--**	**--**	BRL
13-Feb-07	BRL	BRL	NS	BRL	BRL	**20**	**986**	BRL	**--**	**--**	BRL
28-Nov-06	**560**	NS	NS	NS	NS	NS	NS	NS	**--**	**--**	NS
23-Aug-06	ND	NS	NS	NS	NS	NS	NS	NS	**--**	**--**	NS
3-May-06	**572**	BRL	NS	NS	BRL	BRL	BRL	BRL	**--**	**--**	BRL

NYSDEC Ambient ground water standard (Part 703.5) for total phenolics is 1 µg/L. **Bold** Numbers indicate value is above cleanup standard.

BRL: Below Reporting Limit (see analytical report for reporting limits.)

88.0* - Indicates detection in Duplicate Sample but Sample OW-35R was 1.4 µg/L.

USEPA Method 8270 used during 26 Feb 08 sampling event and thereafter. Prior to February 2008, all results based on Total Recoverable Phenolics (TRP) analyses.

[1] = Samples analyzed by EPA Method 8270 as a comparison to TRP analysis.

-- Well not installed. NS= Well Not Sampled; NS'=Not Sampled because groundwater in well was "frozen".

J = Estimated concentration detected below the RDL and above the MDL.

MW-35R re-installed March 28, 2014.

APPENDIX A

LABORATORY ANALYTICAL RESULTS

Pace Analytical e-Report

Report prepared for:
PROFESSIONAL SERVICE INDUSTRIES
104 ERIE BOULEVARD
SCHENECTADY, NY 12305
CONTACT: DAVE MYER

Project ID: FORMER BORDEN FACILITY 0836665-1
Sampling Date(s): November 03, 2015
Lab Report ID: 15110059
Client Service Contact: Chelsea Farmer (518) 346-4592 ext. 3843

Analysis Included:
EPA Method 8260C
EPA 8270 - Sub (Full List)

Dan Pfalzer
Laboratory Director

Certifications: New York (EPA: NY00906, ELAP: 11078), New Jersey (NY026), Connecticut (PH-0337), Massachusetts (M-NY906), Virginia (1884)

Pace Analytical Services, Inc.| 2190 Technology Drive | Schenectady, NY 12308
Phone: 518.346.4592 | internet: www.pacelabs.com

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Table of Contents

CASE NARRATIVE

November 18, 2015

REVISEDCASE NARRATIVE

This data package (SDG ID: 15110059) consists of 11 water samples received on 11/03/2015. The samples are from Project Name: FORMER BORDEN FACILITY 0836665-1.

Revised Report

(1.) This data package was revised to report phenol at a lower detection limit.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AS34735	MW-19	11/03/2015 11:00
AS34736	MW-27	11/03/2015 10:55
AS34737	MW-35R	11/03/2015 11:55
AS34738	MW-16	11/03/2015 11:50
AS34739	MW-28	11/03/2015 12:30
AS34740	MW-30	11/03/2015 13:05
AS34741	OW-35R	11/03/2015 13:05
AS34742	OW-10R	11/03/2015 13:55
AS34743	MW-15	11/03/2015 13:40
AS34744	DUPE	11/03/2015 13:10
AS34745	BEATTY CREEK	11/03/2015 11:40

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via DROP OFF delivery service on 11/03/2015.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) All samples were received at the laboratory properly preserved, if applicable.

Subcontract (Volatile) Analysis

Please see the Pace Analytical Services Long Island laboratory report for method and quality assurance details pertaining to Volatile Organic Compound analysis. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for this analysis, unless otherwise noted.

Subcontract (Semi-volatile) Analysis

Please see the Pace Analytical Services Long Island laboratory report for method and quality assurance details pertaining to Semi Volatile Organic Compound analysis. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for this analysis, unless otherwise noted.

Respectfully submitted,

Chelsea L. Farmer
Project Manager

S:\Lims Data\1511\15110059\Package\CN_15110059_Rev00.doc

QUALIFIERS

Definitions

B - Denotes analyte observed in associated method blank or extraction blank. Analyte concentration should be considered as estimated.

D - Surrogate was diluted. The analysis of the sample required a dilution such that the surrogate concentration was diluted outside the laboratory acceptance criteria.

E - Denotes analyte concentration exceeded calibration range of instrument. Sample could not be reanalyzed at secondary dilution due to insufficient sample amount, quick turn-around request, sample matrix interference or hold time excursion. Concentration result should be considered as estimated.

J - Denotes an estimated concentration. The concentration result is greater than or equal to the Method Detection Limit (MDL) but less than the Practical Quantitation Limit (PQL).

MDL – Adjusted Method Detection Limit.

P - Indicates relative percent difference (RPD) between primary and secondary gas chromatograph (GC) column analysis exceeds 40 % or indicates percent difference (PD) between primary and secondary gas chromatograph (GC) column analysis exceeds 25 %.

PQL – Practical Quantitation Limit. PQLs are adjusted for sample weight/volume and dilution factors.

RL - Reporting Limit Denotes lowest analyte concentration reportable for the sample based on regulatory or project specific limits.

U - Denotes analyte not detected at concentration greater than the Practical Quantitation Limit (PQL) or the Reporting Limit (RL) or the Method Detection Limit (MDL) as applicable.

Z - Chromatographic interference due to polychlorinated biphenyl (PCB) co-elution.

* - Value not within control limits.

SAMPLE CHAIN OF CUSTODY

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analyt<15110059P1>cument

The Chain-of-Custody is a LEGAL DOCUMENT. All rele accurately.

151100591

Page: of

1882139

Section A
Required Client Information:

Company: PSI
Address: 104 ERIE BLVD
SCHENECTADY, NY 12305
Email To: DAVE.MYERS@PSIUSA.COM
Phone: 5183779846 Fax:
Requested Due Date/TAT:

Section B
Required Project Information:

Report To: DAVE MYERS
Copy To:
Purchase Order No.:
Project Name: FORMER BORDEN FACILITY
Project Number: 0836538-1

Section C
Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D
Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes
MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Phenols, 8270	BTEX by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-19	WT	G			11/3/15	11:00		4	✓			✓					✓	✓		AS34735
2	MW-27						10:55		4	✓			✓					✓	✓		AS34736
3	MW-35R						11:55		4	✓			✓					✓	✓		AS34737
4	MW-16						11:50		4	✓			✓					✓	✓		AS34738
5	MW-28						12:30		4	✓			✓					✓	✓		AS34739
6	MW-30						1:05		4	✓			✓					✓	✓		AS34740
7	OW-35R						1:05		4	✓			✓					✓	✓		AS34741
8	OW-10R						1:55		4	✓			✓					✓	✓		AS34742
9	MW-15						1:40		4	✓			✓					✓	✓		AS34743
10	dupe						1:10		4	✓			✓					✓	✓		AS34744
11	BEATTY CREEK						11:40		4	✓			✓					✓	✓		AS34745
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Thomas Rank PSI	11/3/15	1620	Kelly Ott PACE	11/3/15	16:20	2.9	Y	N	Y
							7.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: TOM RANK
SIGNATURE of SAMPLER: Thomas Rank
DATE Signed (MM/DD/YY): 11/3/15

By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

<15110059P2>

15110059P2

Sample Condition Upon Receipt

CLIENT NAME: BSI

PROJECT: Former Borden Facility

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒

PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other ☐

ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☒ IR Gun 03 ☐ #122087967 ☐

COOLER TEMPERATURE (°C): 2.9, 7.4

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒

Temp should be above freezing to 6°C

Temperature is Acceptable? ☒ Yes ☐ No

COMMENTS:

Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☐ Yes	☒ No		2. missing TAT
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name / Signature on COC:	☒ Yes	☐ No		4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7. missing TAT
Sufficient Volume:	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
- Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests:	☐ Yes	☐ No	☒ N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒ Yes	☐ No		12.
All containers needing preservation have been checked:	☐ Yes	☐ No	☒ N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐ Yes	☐ No	☒ N/A	Initial when completed: NA Lot # of added preservative: NA
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	14.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present:	☐ Yes	☐ No	☒ N/A	

Pace Trip Blank Lot #: NA

Sample Receipt form filled in: MW 11/4/15

Line-Out (Includes Copying Shipping Documents and verifying sample pH): MW 11/4/15

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): RAW 11/4/15

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): MW 11/4/15

SAMPLE RECEIPT

SAMPLE RECEIPT REPORT
15110059

Pace Analytical Services, Inc.
2190 Technology Drive
Schenectady, NY 12308
Phone: 518.346.4592
Fax: 518.381.6055

CLIENT: PROFESSIONAL SERVICE INDUSTRIES
PROJECT: FORMER BORDEN FACILITY
LRF: 15110059
REPORT: ANALYTICAL REPORT
EDD: NO
LRF TAT: 1 WEEK

RECEIVED DATE: 11/03/2015 16:20
SHIPPED VIA: DROP OFF [1,2]
SHIPPING ID: T. RANKIN-PSI
NUMBER OF COOLERS: 2
CUSTODY SEAL INTACT: NA
COOLER STATUS: CHILLED
TEMPERATURE(S): [5] 2.9, 7.4 °C

SAMPLE SEALS INTACT: NA
SAMPLES PRESERVED PER METHOD GUIDANCE: YES
[3] SAMPLES REC'D IN HOLDTIME: YES
DISPOSAL: BY LAB (45 DAYS)
COC DISCREPANCY: NO

COMMENTS:
NO TAT ON COC.

CLIENT ID (LAB ID)	TAT-DUE Date [4]	DATE-TIME SAMPLED	MATRIX	METHOD	TEST DESCRIPTION	QC REQUEST
MW-19 (AS34735)	1 WEEK 11-11-15	11/03/2015 11:00	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 11:00	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
MW-27 (AS34736)	1 WEEK 11-11-15	11/03/2015 10:55	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 10:55	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
MW-35R (AS34737)	1 WEEK 11-11-15	11/03/2015 11:55	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 11:55	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
MW-16 (AS34738)	1 WEEK 11-11-15	11/03/2015 11:50	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 11:50	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
MW-28 (AS34739)	1 WEEK 11-11-15	11/03/2015 12:30	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 12:30	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
MW-30 (AS34740)	1 WEEK 11-11-15	11/03/2015 13:05	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 13:05	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
OW-35R (AS34741)	1 WEEK 11-11-15	11/03/2015 13:05	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 13:05	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
OW-10R (AS34742)	1 WEEK 11-11-15	11/03/2015 13:55	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 13:55	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
MW-15 (AS34743)	1 WEEK 11-11-15	11/03/2015 13:40	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 13:40	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
DUPE (AS34744)	1 WEEK 11-11-15	11/03/2015 13:10	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 13:10	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	
BEATTY CREEK (AS34745)	1 WEEK 11-11-15	11/03/2015 11:40	Water	E8260C	EPA Method 8260C	
	1 WEEK 11-11-15	11/03/2015 11:40	Water	E8270D-FULL	EPA 8270 - Sub (Full List)	

[1] The pH preservation check of Oil and Grease (Method 1664) and Total Organic Carbon (Method 5310B) are performed as soon as possible after sample receipt and may not be included in this report.
[2] The pH preservation check of aqueous volatile samples is not performed until after the analysis of the sample to maintain zero headspace and is not included in this report.
[3] Samples received for pH analysis are not marked as a hold time exceedance here. SW-846 methods suggests analysis to be done within 15 minutes of sample collection. Because of transportation time it is not possible for the laboratory to perform the test in that time. Sample Certificates of Analysis reports are noted as such.
[4] Samples arriving at the laboratory after 4:00 pm are assigned a due date as if they arrived the following business day unless other arrangements have been made.
The due date represents the date the lab report is expected to be completed on or before 5:00 pm (EST) for the date specified.
[5] All samples which require thermal preservation shall be considered acceptable when received greater than 6 degrees Celsius if they are collected on the same day as received and there is evidence that the chilling process has begun, such as arrival on ice.Control limits are between 0-6 Degrees Celsius. Control limits do not apply for metals analysis.
[6] Samples requesting analysis for Orthophosphate (SM 4500-P E-99,-11) require the samples to be filtered in the field within 15 minutes of the sampling event. Samples that are received unfiltered will be noted as not method compliant on the Certificates of Analysis.

Reporting Parameters and Lists

Subcontract Analysis

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 11:00:00 AM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-001
Client Sample ID: MW-19

AS34735 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	< 1.0		1	µg/L		11/06/2015 9:51 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 9:51 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 9:51 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 9:51 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	97.8		1	%REC	Limit 53-183	11/06/2015 9:51 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	96.7		1	%REC	Limit 63-140	11/06/2015 9:51 PM	Container-01 of 03
Surr: Toluene-d8	90.6		1	%REC	Limit 60-135	11/06/2015 9:51 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
4-Nitrophenol	6.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
Phenol	< 1.0		1	µg/L		11/10/2015 5:51 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	99.2		1	%REC	Limit 10-123	11/10/2015 5:51 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	50.8		1	%REC	Limit 33-110	11/10/2015 5:51 PM	Container-01 of 01
Surr: 2-Fluorophenol	44.5		1	%REC	Limit 21-110	11/10/2015 5:51 PM	Container-01 of 01
Surr: Phenol-d5	54.4		1	%REC	Limit 10-110	11/10/2015 5:51 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 10:55:00 AM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-002
Client Sample ID: MW-27

AS34736 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	< 1.0		1	µg/L		11/06/2015 10:11 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 10:11 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 10:11 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 10:11 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	99.2		1	%REC	Limit 53-183	11/06/2015 10:11 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	98.4		1	%REC	Limit 63-140	11/06/2015 10:11 PM	Container-01 of 03
Surr: Toluene-d8	91.4		1	%REC	Limit 60-135	11/06/2015 10:11 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
Phenol	< 1.0		1	µg/L		11/10/2015 6:21 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	96.9		1	%REC	Limit 10-123	11/10/2015 6:21 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	57.7		1	%REC	Limit 33-110	11/10/2015 6:21 PM	Container-01 of 01
Surr: 2-Fluorophenol	49.1		1	%REC	Limit 21-110	11/10/2015 6:21 PM	Container-01 of 01
Surr: Phenol-d5	56.9		1	%REC	Limit 10-110	11/10/2015 6:21 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 11:55:00 AM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-003
Client Sample ID: MW-35R

AS34737 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous
Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	< 1.0		1	µg/L		11/06/2015 10:31 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 10:31 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 10:31 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 10:31 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	99.1		1	%REC	Limit 53-183	11/06/2015 10:31 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	98.5		1	%REC	Limit 63-140	11/06/2015 10:31 PM	Container-01 of 03
Surr: Toluene-d8	91.8		1	%REC	Limit 60-135	11/06/2015 10:31 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
Phenol	< 1.0		1	µg/L		11/10/2015 6:50 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	86.8		1	%REC	Limit 10-123	11/10/2015 6:50 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	49.6		1	%REC	Limit 33-110	11/10/2015 6:50 PM	Container-01 of 01
Surr: 2-Fluorophenol	42.9		1	%REC	Limit 21-110	11/10/2015 6:50 PM	Container-01 of 01
Surr: Phenol-d5	48.3		1	%REC	Limit 10-110	11/10/2015 6:50 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 11:50:00 AM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-004
Client Sample ID: MW-16

AS34738 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	< 1.0		1	µg/L		11/06/2015 10:50 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 10:50 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 10:50 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 10:50 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	99.3		1	%REC	Limit 53-183	11/06/2015 10:50 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	95.3		1	%REC	Limit 63-140	11/06/2015 10:50 PM	Container-01 of 03
Surr: Toluene-d8	90.8		1	%REC	Limit 60-135	11/06/2015 10:50 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
Phenol	< 1.0		1	µg/L		11/10/2015 7:19 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	67.2		1	%REC	Limit 10-123	11/10/2015 7:19 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	49.9		1	%REC	Limit 33-110	11/10/2015 7:19 PM	Container-01 of 01
Surr: 2-Fluorophenol	40.8		1	%REC	Limit 21-110	11/10/2015 7:19 PM	Container-01 of 01
Surr: Phenol-d5	47.4		1	%REC	Limit 10-110	11/10/2015 7:19 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 12:30:00 PM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-005
Client Sample ID: MW-28

AS34739 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	2.3		1	µg/L		11/06/2015 11:10 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 11:10 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 11:10 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 11:10 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	101		1	%REC	Limit 53-183	11/06/2015 11:10 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	99.6		1	%REC	Limit 63-140	11/06/2015 11:10 PM	Container-01 of 03
Surr: Toluene-d8	91.4		1	%REC	Limit 60-135	11/06/2015 11:10 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
Phenol	< 1.0		1	µg/L		11/10/2015 7:49 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	93.5		1	%REC	Limit 10-123	11/10/2015 7:49 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	46.9		1	%REC	Limit 33-110	11/10/2015 7:49 PM	Container-01 of 01
Surr: 2-Fluorophenol	41.3		1	%REC	Limit 21-110	11/10/2015 7:49 PM	Container-01 of 01
Surr: Phenol-d5	49.4		1	%REC	Limit 10-110	11/10/2015 7:49 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 1:05:00 PM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-006
Client Sample ID: MW-30

AS34740 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	< 1.0		1	µg/L		11/06/2015 11:30 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 11:30 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 11:30 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 11:30 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	98.2		1	%REC	Limit 53-183	11/06/2015 11:30 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	98.4		1	%REC	Limit 63-140	11/06/2015 11:30 PM	Container-01 of 03
Surr: Toluene-d8	91.3		1	%REC	Limit 60-135	11/06/2015 11:30 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
Phenol	24		1	µg/L		11/10/2015 8:18 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	87.2		1	%REC	Limit 10-123	11/10/2015 8:18 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	59.4		1	%REC	Limit 33-110	11/10/2015 8:18 PM	Container-01 of 01
Surr: 2-Fluorophenol	49.7		1	%REC	Limit 21-110	11/10/2015 8:18 PM	Container-01 of 01
Surr: Phenol-d5	58.2		1	%REC	Limit 10-110	11/10/2015 8:18 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 1:05:00 PM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-007
Client Sample ID: OW-35R

AS34741 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	1.7		1	µg/L		11/06/2015 11:50 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/06/2015 11:50 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/06/2015 11:50 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/06/2015 11:50 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	101		1	%REC	Limit 53-183	11/06/2015 11:50 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	99.5		1	%REC	Limit 63-140	11/06/2015 11:50 PM	Container-01 of 03
Surr: Toluene-d8	90.9		1	%REC	Limit 60-135	11/06/2015 11:50 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
Phenol	1.4		1	µg/L		11/10/2015 8:47 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	86.2		1	%REC	Limit 10-123	11/10/2015 8:47 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	46.4		1	%REC	Limit 33-110	11/10/2015 8:47 PM	Container-01 of 01
Surr: 2-Fluorophenol	40.7		1	%REC	Limit 21-110	11/10/2015 8:47 PM	Container-01 of 01
Surr: Phenol-d5	45.8		1	%REC	Limit 10-110	11/10/2015 8:47 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 1:55:00 PM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-008
Client Sample ID: OW-10R

AS34742 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	7.1		1	µg/L		11/07/2015 12:09 AM	Container-01 of 03
Ethylbenzene	1.0		1	µg/L		11/07/2015 12:09 AM	Container-01 of 03
Toluene	10		1	µg/L		11/07/2015 12:09 AM	Container-01 of 03
Xylene (total)	1.5		1	µg/L		11/07/2015 12:09 AM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	98.8		1	%REC	Limit 53-183	11/07/2015 12:09 AM	Container-01 of 03
Surr: 4-Bromofluorobenzene	99.5		1	%REC	Limit 63-140	11/07/2015 12:09 AM	Container-01 of 03
Surr: Toluene-d8	91.2		1	%REC	Limit 60-135	11/07/2015 12:09 AM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
Phenol	12		1	µg/L		11/10/2015 9:16 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	93.5		1	%REC	Limit 10-123	11/10/2015 9:16 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	40.7		1	%REC	Limit 33-110	11/10/2015 9:16 PM	Container-01 of 01
Surr: 2-Fluorophenol	35.6		1	%REC	Limit 21-110	11/10/2015 9:16 PM	Container-01 of 01
Surr: Phenol-d5	43.2		1	%REC	Limit 10-110	11/10/2015 9:16 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 1:40:00 PM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-009
Client Sample ID: MW-15

AS34743 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	22		1	µg/L		11/07/2015 12:29 AM	Container-01 of 03
Ethylbenzene	6.0		1	µg/L		11/07/2015 12:29 AM	Container-01 of 03
Toluene	460	D	5	µg/L		11/07/2015 7:00 PM	Container-02 of 03
Xylene (total)	1.4		1	µg/L		11/07/2015 12:29 AM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	98.9		1	%REC	Limit 53-183	11/07/2015 12:29 AM	Container-01 of 03
Surr: 4-Bromofluorobenzene	99.5		1	%REC	Limit 63-140	11/07/2015 12:29 AM	Container-01 of 03
Surr: Toluene-d8	91.0		1	%REC	Limit 60-135	11/07/2015 12:29 AM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2-Chlorophenol	6.5	S	1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
4-Methylphenol	1,400	D	100	µg/L		11/11/2015 3:19 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 9:44 PM	Container-01 of 01
Phenol	120,000	D	2000	µg/L		11/11/2015 4:17 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	89.6		1	%REC	Limit 10-123	11/10/2015 9:44 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	109		1	%REC	Limit 33-110	11/10/2015 9:44 PM	Container-01 of 01
Surr: 2-Fluorophenol	522	S	1	%REC	Limit 21-110	11/10/2015 9:44 PM	Container-01 of 01
Surr: Phenol-d5	62.6		1	%REC	Limit 10-110	11/10/2015 9:44 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 1:10:00 PM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-010
Client Sample ID: DUPE

AS34744 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous

Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: KG

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	1.7		1	µg/L		11/09/2015 4:21 PM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/09/2015 4:21 PM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/09/2015 4:21 PM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/09/2015 4:21 PM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	98.3		1	%REC	Limit 53-183	11/09/2015 4:21 PM	Container-01 of 03
Surr: 4-Bromofluorobenzene	100		1	%REC	Limit 63-140	11/09/2015 4:21 PM	Container-01 of 03
Surr: Toluene-d8	90.3		1	%REC	Limit 60-135	11/09/2015 4:21 PM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 10:13 PM	Container-01 of 01
Phenol	88	D	4	µg/L		11/11/2015 3:48 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	94.6		1	%REC	Limit 10-123	11/10/2015 10:13 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	49.2		1	%REC	Limit 33-110	11/10/2015 10:13 PM	Container-01 of 01
Surr: 2-Fluorophenol	40.8		1	%REC	Limit 21-110	11/10/2015 10:13 PM	Container-01 of 01
Surr: Phenol-d5	54.9		1	%REC	Limit 10-110	11/10/2015 10:13 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

LABORATORY RESULTS

Results for the samples and analytes requested

The lab is not directly responsible for the integrity of the sample before receipt at the lab and is responsible only for the certified tests requested.

Pace Analytical Services Inc.
2190 Technology Drive
Schenectady, NY 12308
Attn To : William A. Kotas
Collected : 11/3/2015 11:40:00 AM
Received : 11/4/2015
Collected By : CLIENT

Lab No. : 1511245-011
Client Sample ID: BEATTY CREEK

AS34745 *Report re-issued 11/18 for 8270 reporting limits

Sample Information:
Type : Aqueous
Origin:

Analytical Method: SW8260C : Prep Method: 5030C Analyst: BL

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
Benzene	< 1.0		1	µg/L		11/07/2015 1:09 AM	Container-01 of 03
Ethylbenzene	< 1.0		1	µg/L		11/07/2015 1:09 AM	Container-01 of 03
Toluene	< 1.0		1	µg/L		11/07/2015 1:09 AM	Container-01 of 03
Xylene (total)	< 1.0		1	µg/L		11/07/2015 1:09 AM	Container-01 of 03
Surr: 1,2-Dichloroethane-d4	100		1	%REC	Limit 53-183	11/07/2015 1:09 AM	Container-01 of 03
Surr: 4-Bromofluorobenzene	97.2		1	%REC	Limit 63-140	11/07/2015 1:09 AM	Container-01 of 03
Surr: Toluene-d8	91.9		1	%REC	Limit 60-135	11/07/2015 1:09 AM	Container-01 of 03

Analytical Method: SW8270D : Prep Method: SW3520C Prep Date: 11/5/2015 7:48:36 PM Analyst: GMV

Parameter(s)	Results	Qualifier	D.F.	Units		Analyzed:	Container:
2,4,5-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2,4,6-Trichlorophenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2,4-Dichlorophenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2,4-Dimethylphenol	< 5.0	S	1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2,4-Dinitrophenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2-Chlorophenol	< 5.0	S	1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2-Methylphenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
2-Nitrophenol	< 5.0	S	1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
4,6-Dinitro-2-methylphenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
4-Chloro-3-methylphenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
4-Methylphenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
4-Nitrophenol	< 5.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
Pentachlorophenol	< 5.0	c	1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
Phenol	< 1.0		1	µg/L		11/10/2015 10:42 PM	Container-01 of 01
Surr: 2,4,6-Tribromophenol	88.6		1	%REC	Limit 10-123	11/10/2015 10:42 PM	Container-01 of 01
Surr: 2-Chlorophenol-d4	68.3		1	%REC	Limit 33-110	11/10/2015 10:42 PM	Container-01 of 01
Surr: 2-Fluorophenol	60.7		1	%REC	Limit 21-110	11/10/2015 10:42 PM	Container-01 of 01
Surr: Phenol-d5	69.3		1	%REC	Limit 10-110	11/10/2015 10:42 PM	Container-01 of 01

Qualifiers: E = Value above quantitation range, Value estimated.
B = Found in Blank
D.F. = Dilution Factor D = Results for Dilution
H = Received/analyzed outside of analytical holding time
+ = NYSDOH ELAP does not offer certification for this analyte / matrix / method
c = Calibration acceptability criteria exceeded for this analyte
R = Reporting limit below calibration range. Value estimated.
J = Estimated value - below calibration range
S = Recovery exceeded control limits for this analyte
N = Indicates presumptive evidence of compound

Caitlin Panzarella
Project Manager

Test results meet the requirements of NELAC unless otherwise noted.

Date Reported : 11/18/2015

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **52850**

Sample ID: **MB-52850** SampType: **MBLK** TestCode: **8270_W_TCL** Units: **µg/L** Prep Date: **11/5/2015** RunNo: **86835**

Client ID: **PBW** Batch ID: **52850** TestNo: **SW8270** **SW3520C** Analysis Date: **11/10/2015** SeqNo: **1883757**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	< 10	10									
2-Chlorophenol	< 10	10									
2-Methylphenol	< 10	10									
2-Nitrophenol	< 10	10									
2,4-Dimethylphenol	< 10	10									
2,4-Dichlorophenol	< 10	10									
4-Chloro-3-methylphenol	< 10	10									
2,4,6-Trichlorophenol	< 10	10									
2,4,5-Trichlorophenol	< 25	25									
2,4-Dinitrophenol	< 25	25									
4-Nitrophenol	< 25	25									
4,6-Dinitro-2-methylphenol	< 25	25									
Pentachlorophenol	< 25	25									
Surr: 2-Fluorophenol	45		75.00		59.8	21	110				
Surr: Nitrobenzene-d5	36		50.00		72.9	35	114				
Surr: Phenol-d5	48		75.00		64.5	10	110				
Surr: 2,4,6-Tribromophenol	64		75.00		85.1	10	123				
Surr: 2-Fluorobiphenyl	33		50.00		66.3	43	116				
Surr: 4-Terphenyl-d14	42		50.00		84.8	33	141				
Surr: 2-Chlorophenol-d4	54		75.00		72.5	33	110				
Surr: 1,2-Dichlorobenzene-d4	25		50.00		50.8	16	110				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **52850**

Sample ID: **LFB-52850** SampType: **LFB** TestCode: **8270_W_TCL** Units: **µg/L** Prep Date: **11/5/2015** RunNo: **86835**

Client ID: **ZZZZZZ** Batch ID: **52850** TestNo: **SW8270** **SW3520C** Analysis Date: **11/10/2015** SeqNo: **1883758**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	20	10	50.00	0	39.2	10	99				
2-Chlorophenol	18	10	50.00	0	36.9	43	106				S
2-Methylphenol	22	10	50.00	0	43.4	41	131				
2-Nitrophenol	20	10	50.00	0	39.3	41	128				S
2,4-Dimethylphenol	18	10	50.00	0	35.4	39	135				S
2,4-Dichlorophenol	23	10	50.00	0	45.0	44	127				
4-Chloro-3-methylphenol	31	10	50.00	0	62.7	48	124				
2,4,6-Trichlorophenol	33	10	50.00	0	65.6	55	114				
2,4,5-Trichlorophenol	34	25	50.00	0	68.9	55	125				
2,4-Dinitrophenol	34	25	50.00	0	68.1	11	101				
4-Nitrophenol	47	25	50.00	0	93.5	10	102				
4,6-Dinitro-2-methylphenol	55	25	50.00	0	110	28	150				
Pentachlorophenol	47	25	50.00	0	93.5	12	124				
Surr: 2-Fluorophenol	23		75.00		30.0	21	110				
Surr: Nitrobenzene-d5	19		50.00		38.6	35	114				
Surr: Phenol-d5	32		75.00		42.7	10	110				
Surr: 2,4,6-Tribromophenol	71		75.00		94.3	10	123				
Surr: 2-Fluorobiphenyl	24		50.00		47.7	43	116				
Surr: 4-Terphenyl-d14	38		50.00		75.7	33	141				
Surr: 2-Chlorophenol-d4	29		75.00		38.1	33	110				
Surr: 1,2-Dichlorobenzene-d4	13		50.00		26.8	16	110				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **52850**

Sample ID: **MB-52850** SampType: **MBLK** TestCode: **8270_W_4-2** Units: **µg/L** Prep Date: **11/5/2015** RunNo: **86841**

Client ID: **PBW** Batch ID: **52850** TestNo: **SW8270** **SW3520C** Analysis Date: **11/10/2015** SeqNo: **1883792**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	< 1.0	1.0									
2-Chlorophenol	< 5.0	5.0									
2-Methylphenol	< 5.0	5.0									
4-Methylphenol	< 5.0	5.0									
2-Nitrophenol	< 5.0	5.0									
2,4-Dimethylphenol	< 5.0	5.0									
2,4-Dichlorophenol	< 5.0	5.0									
4-Chloro-3-methylphenol	< 5.0	5.0									
2,4,6-Trichlorophenol	< 5.0	5.0									
2,4,5-Trichlorophenol	< 5.0	5.0									
2,4-Dinitrophenol	< 5.0	5.0									
4-Nitrophenol	< 5.0	5.0									
4,6-Dinitro-2-methylphenol	< 5.0	5.0									
Pentachlorophenol	< 5.0	5.0									
Surr: 2-Fluorophenol	45		75.00		59.8	21	110				
Surr: Phenol-d5	48		75.00		64.5	10	110				
Surr: 2,4,6-Tribromophenol	64		75.00		85.1	10	123				
Surr: 2-Chlorophenol-d4	54		75.00		72.5	33	110				

Sample ID: **LFB-52850** SampType: **LFB** TestCode: **8270_W_4-2** Units: **µg/L** Prep Date: **11/5/2015** RunNo: **86841**

Client ID: **ZZZZZZ** Batch ID: **52850** TestNo: **SW8270** **SW3520C** Analysis Date: **11/10/2015** SeqNo: **1883793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Phenol	20	1.0	50.00	0	39.2	10	99				
2-Chlorophenol	18	5.0	50.00	0	36.9	43	106				S

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **52850**

Sample ID: **LFB-52850** SampType: **LFB** TestCode: **8270_W_4-2** Units: **µg/L** Prep Date: **11/5/2015** RunNo: **86841**

Client ID: **ZZZZZZ** Batch ID: **52850** TestNo: **SW8270** **SW3520C** Analysis Date: **11/10/2015** SeqNo: **1883793**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
2-Methylphenol	22	5.0	50.00	0	43.4	41	131				
4-Methylphenol	25	5.0	50.00	0	50.5	41	101				
2-Nitrophenol	20	5.0	50.00	0	39.3	41	128				S
2,4-Dimethylphenol	18	5.0	50.00	0	35.4	39	135				S
2,4-Dichlorophenol	23	5.0	50.00	0	45.0	44	127				
4-Chloro-3-methylphenol	31	5.0	50.00	0	62.7	48	124				
2,4,6-Trichlorophenol	33	5.0	50.00	0	65.6	55	114				
2,4,5-Trichlorophenol	34	5.0	50.00	0	68.9	55	125				
2,4-Dinitrophenol	34	5.0	50.00	0	68.1	11	101				
4-Nitrophenol	47	5.0	50.00	0	93.5	10	102				
4,6-Dinitro-2-methylphenol	55	5.0	50.00	0	110	28	150				
Pentachlorophenol	47	5.0	50.00	0	93.5	12	124				
Surr: 2-Fluorophenol	23		75.00		30.0	21	110				
Surr: Phenol-d5	32		75.00		42.7	10	110				
Surr: 2,4,6-Tribromophenol	71		75.00		94.3	10	123				
Surr: 2-Chlorophenol-d4	29		75.00		38.1	33	110				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.
Project: 15110059 PSI **BatchID:** **R86668**

Sample ID: **VBLK110615A** SampType: **MBLK** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86668**
Client ID: **PBW** Batch ID: **R86668** TestNo: **SW8260** Analysis Date: **11/6/2015** SeqNo: **1879718**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	< 1.0	1.0									
Toluene	< 1.0	1.0									
Ethylbenzene	< 1.0	1.0									
Surr: 1,2-Dichloroethane-d4	50		50.00		99.5	53	183				
Surr: Toluene-d8	46		50.00		91.0	60	135				
Surr: 4-Bromofluorobenzene	48		50.00		96.7	63	140				

Sample ID: **LFB110615A** SampType: **LFB** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86668**
Client ID: **ZZZZZZ** Batch ID: **R86668** TestNo: **SW8260** Analysis Date: **11/6/2015** SeqNo: **1879719**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54	1.0	50.00	0	107	73	119				
Toluene	45	1.0	50.00	0	91.0	72	119				
Ethylbenzene	45	1.0	50.00	0	89.2	70	113				
Surr: 1,2-Dichloroethane-d4	49		50.00		97.6	53	183				
Surr: Toluene-d8	46		50.00		92.1	60	135				
Surr: 4-Bromofluorobenzene	51		50.00		103	63	140				

Sample ID: **1511253-005BMS** SampType: **MS** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86668**
Client ID: **ZZZZZZ** Batch ID: **R86668** TestNo: **SW8260** Analysis Date: **11/7/2015** SeqNo: **1879737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	55	1.0	50.00	0	110	73	119				

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **R86668**

Sample ID: **1511253-005BMS** SampType: **MS** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86668**

Client ID: **ZZZZZZ** Batch ID: **R86668** TestNo: **SW8260** Analysis Date: **11/7/2015** SeqNo: **1879737**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	47	1.0	50.00	0	94.8	72	119				
Ethylbenzene	47	1.0	50.00	0	94.1	70	113				
Surr: 1,2-Dichloroethane-d4	50		50.00		99.1	53	183				
Surr: Toluene-d8	46		50.00		92.3	60	135				
Surr: 4-Bromofluorobenzene	52		50.00		104	63	140				

Sample ID: **1511253-005BMSD** SampType: **MSD** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86668**

Client ID: **ZZZZZZ** Batch ID: **R86668** TestNo: **SW8260** Analysis Date: **11/7/2015** SeqNo: **1879738**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	54	1.0	50.00	0	107	73	119	54.99	2.34	30	
Toluene	46	1.0	50.00	0	92.7	72	119	47.42	2.33	30	
Ethylbenzene	46	1.0	50.00	0	91.3	70	113	47.03	3.02	30	
Surr: 1,2-Dichloroethane-d4	50		50.00		99.3	53	183		0	30	
Surr: Toluene-d8	46		50.00		92.1	60	135		0	30	
Surr: 4-Bromofluorobenzene	51		50.00		103	63	140		0	30	

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **R86669**

Sample ID: **VBLK110715** SampType: **MBLK** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86669**

Client ID: **PBW** Batch ID: **R86669** TestNo: **SW8260** Analysis Date: **11/7/2015** SeqNo: **1879817**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	< 10	10									
Toluene	< 10	10									
Ethylbenzene	< 10	10									
Xylene (total)	< 10	10									
Surr: 1,2-Dichloroethane-d4	49		50.00		98.6	53	183				
Surr: Toluene-d8	45		50.00		91.0	60	135				
Surr: 4-Bromofluorobenzene	49		50.00		97.6	63	140				

Sample ID: **LFB110715** SampType: **LFB** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86669**

Client ID: **ZZZZZZ** Batch ID: **R86669** TestNo: **SW8260** Analysis Date: **11/7/2015** SeqNo: **1879818**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	46	10	50.00	0	91.9	73	119				
Toluene	41	10	50.00	0	81.4	72	119				
Ethylbenzene	41	10	50.00	0	81.4	70	113				
Xylene (total)	130	10	150.0	0	83.9	71	109				
Surr: 1,2-Dichloroethane-d4	49		50.00		98.6	53	183				
Surr: Toluene-d8	46		50.00		91.5	60	135				
Surr: 4-Bromofluorobenzene	51		50.00		103	63	140				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **R86669**

Sample ID: **1511559-001AMS** SampType: **MS** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86669**

Client ID: **ZZZZZZ** Batch ID: **R86669** TestNo: **SW8260** Analysis Date: **11/8/2015** SeqNo: **1879833**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	56	10	50.00	0	111	73	119				
Toluene	49	10	50.00	0	97.5	72	119				
Ethylbenzene	49	10	50.00	0	97.5	70	113				
Xylene (total)	150	10	150.0	0	100	71	109				
Surr: 1,2-Dichloroethane-d4	50		50.00		99.0	53	183				
Surr: Toluene-d8	46		50.00		92.0	60	135				
Surr: 4-Bromofluorobenzene	52		50.00		104	63	140				

Sample ID: **1511559-001AMSD** SampType: **MSD** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86669**

Client ID: **ZZZZZZ** Batch ID: **R86669** TestNo: **SW8260** Analysis Date: **11/8/2015** SeqNo: **1879834**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Toluene	47	10	50.00	0	94.0	72	119	48.73	3.59	30	
Ethylbenzene	47	10	50.00	0	93.5	70	113	48.76	4.21	30	
Xylene (total)	140	10	150.0	0	95.3	71	109	150.4	5.11	30	
Surr: 1,2-Dichloroethane-d4	49		50.00		98.5	53	183		0	30	
Surr: Toluene-d8	45		50.00		90.5	60	135		0	30	
Surr: 4-Bromofluorobenzene	52		50.00		104	63	140		0	30	

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

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QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **R86679**

Sample ID: **VBLK110915** SampType: **MBLK** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86679**

Client ID: **PBW** Batch ID: **R86679** TestNo: **SW8260** Analysis Date: **11/9/2015** SeqNo: **1883253**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	< 10	10									
Toluene	< 10	10									
Ethylbenzene	< 10	10									
Xylene (total)	< 10	10									
Surr: 1,2-Dichloroethane-d4	49		50.00		98.3	53	183				
Surr: Toluene-d8	45		50.00		90.4	60	135				
Surr: 4-Bromofluorobenzene	49		50.00		98.4	63	140				

Sample ID: **LFB110915** SampType: **LFB** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86679**

Client ID: **ZZZZZZ** Batch ID: **R86679** TestNo: **SW8260** Analysis Date: **11/9/2015** SeqNo: **1883254**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	52	10	50.00	0	104	73	119				
Toluene	45	10	50.00	0	91.0	72	119				
Ethylbenzene	44	10	50.00	0	88.4	70	113				
Xylene (total)	140	10	150.0	0	93.0	71	109				
Surr: 1,2-Dichloroethane-d4	50		50.00		99.2	53	183				
Surr: Toluene-d8	45		50.00		90.2	60	135				
Surr: 4-Bromofluorobenzene	52		50.00		104	63	140				

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

QC SUMMARY REPORT

WO#: **1511245**

18-Nov-15

Client: Pace Analytical Services Inc.

Project: 15110059 PSI **BatchID:** **R86679**

Sample ID: **1511448-003BMS** SampType: **MS** TestCode: **8260_W_SUF** Units: **µg/L** Prep Date: RunNo: **86679**

Client ID: **ZZZZZZ** Batch ID: **R86679** TestNo: **SW8260** Analysis Date: **11/9/2015** SeqNo: **1883261**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	1,200	200	1,000	0	121	73	119				DS
Toluene	1,000	200	1,000	0	105	72	119				D
Ethylbenzene	1,000	200	1,000	0	102	70	113				D
Xylene (total)	3,100	200	3,000	0	105	71	109				D
Surr: 1,2-Dichloroethane-d4	970		1,000		96.7	53	183				D
Surr: Toluene-d8	920		1,000		91.8	60	135				D
Surr: 4-Bromofluorobenzene	1,000		1,000		103	63	140				D

5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	D	Dilution was required.	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	M	Manual Integration used to determine area response	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Second column confirmation exceeds	R	RPD outside accepted recovery limits
S	Spike Recovery outside accepted recovery limits				

PACE ANALYTICAL
575 Broad Hollow Road
Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
Website: www.pacelabs.com

Sample Receipt Checklist

Client Name: **PACE-NY** Date and Time Received: **11/4/2015**

Work Order Number: **1511245** RcptNo: **1** Received by: **Paige Doherty**

Completed by: Paige Doherty Reviewed by: Caitlin Panzarella

Completed Date: 11/5/2015 3:16:16 AM Reviewed Date: 11/9/2015 1:37:06 PM

Carrier name: PACE Pickup

Chain of custody present?	Yes	☑	No	☐		
Chain of custody signed when relinquished and received?	Yes	☑	No	☐		
Chain of custody agrees with sample labels?	Yes	☑	No	☐		
Are matrices correctly identified on Chain of custody?	Yes	☑	No	☐		
Is it clear what analyses were requested?	Yes	☑	No	☐		
Custody seals intact on sample bottles?	Yes	☐	No	☐	Not Present	☑
Samples in proper container/bottle?	Yes	☑	No	☐		
Were correct preservatives used and noted?	Yes	☑	No	☐	NA	☐
Preservative added to bottles:						
Sample Condition?	Intact	☑	Broken	☐	Leaking	☐
Sufficient sample volume for indicated test?	Yes	☑	No	☐		
Were container labels complete (ID, Pres, Date)?	Yes	☑	No	☐		
All samples received within holding time?	Yes	☑	No	☐		
Was an attempt made to cool the samples?	Yes	☑	No	☐	NA	☐
All samples received at a temp. of > 0° C to 6.0° C?	Yes	☑	No	☐	NA	☐
Response when temperature is outside of range:						
Sample Temp. taken and recorded upon receipt?	Yes	☑	No	☐	To	1.6 °
Water - Were bubbles absent in VOC vials?	Yes	☑	No	☐	No Vials	☐
Water - Was there Chlorine Present?	Yes	☐	No	☐	NA	☑
Water - pH acceptable upon receipt?	Yes	☑	No	☐	No Water	☐
Are Samples considered acceptable?	Yes	☑	No	☐		
Custody Seals present?	Yes	☑	No	☐		
Airbill or Sticker?	Air Bill	☐	Sticker	☐	Not Present	☑

Airbill No:

Case Number: SDG: SAS:

Any No response should be detailed in the comments section below, if applicable.

Client Contacted? ☐ Yes ☐ No ☑ NA Person Contacted:

Contact Mode: ☐ Phone: ☐ Fax: ☐ Email: ☐ In Person:

Client Instructions:

Date Contacted: Contacted By:

Regarding:

Comments:

CorrectiveAction:

5

Pace Analytical
575 Broad Hollow Road , Melville, NY 11747
TEL: (631) 694-3040 FAX: (631) 420-8436
NYSDOH ID#10478 www.pacelabs.com

WorkOrder :
1511245

Certifications

STATE	CERTIFICATION #
NEW YORK	10478
NEW JERSEY	NY158
CONNECTICUT	PH-0435
MARYLAND	208
MASSACHUSETTS	M-NY026
NEW HAMPSHIRE	2987
RHODE ISLAND	LAO00340
PENNSYLVANIA	68-00350

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Pace LI

CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.pacelabs.com

LRF # 15110059
(LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO):	PROJECT#/PROJECT NAME:
PACE	15110059
PROJECT MANAGER:	LOCATION (CITY/STATE) ADDRESS:
Chelsea Farmer	NY
Project: 0836538-1	REQUIRED TURN AROUND TIME: 11/11/2015
Notes:	NAME OF COURIER (IF USED):

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - ICE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other (Na2SO3)

ELECTRONIC RESULTS: Chelsea.Farmer@pacelabs.com; Nicole.Johnson@pacelabs.com

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	NUMBER OF CONTAINERS	E8260C-BTEX	PHENOLS, E8270D						REMARKS:
PRESERVATIVE CODE:														
BOTTLE TYPE:														
BOTTLE SIZE:														
MW-19	11/3/15	11:00	L	GRAB	AS34735	4	X	X						1511245
MW-27	11/3/15	10:55	L	GRAB	AS34736	4	X	X						
MW-35R	11/3/15	11:55	L	GRAB	AS34737	4	X	X						
MW-16	11/3/15	11:50	L	GRAB	AS34738	4	X	X						
MW-28	11/3/15	12:30	L	GRAB	AS34739	4	X	X						
MW-30	11/3/15	13:05	L	GRAB	AS34740	4	X	X						
OW-35R	11/3/15	13:05	L	GRAB	AS34741	4	X	X						
OW-10R	11/3/15	13:55	L	GRAB	AS34742	4	X	X						
MW-15	11/3/15	13:40	L	GRAB	AS34743	4	X	X						
DUPE	11/3/15	13:10	L	GRAB	AS34744	4	X	X						

AMBIENT OR CHILLED: TEMP: 1.6 — COC TAPE: (Y) N — PROPERLY PRESERVED: (Y) N — OTHER NOTES: Analytical Report [LEVEL-2] EDD: None

RECEIVED BROKEN OR LEAKING: Y (N) — COC DISCREPANCIES: Y (N) — RECVD W/I HOLDING TIMES: (Y) N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME: Latricia Nguyen	PRINTED NAME: C. Murphy	PRINTED NAME: C. Murphy	PRINTED NAME: Travis Schmidt	PRINTED NAME	PRINTED NAME
COMPANY: Pace	COMPANY: Pace Lab	COMPANY: Pace Lab	COMPANY: PACE-LI	COMPANY	COMPANY
DATE/TIME: 11/4/15	DATE/TIME: 11-4-15	DATE/TIME: 11-4-15	DATE/TIME: 11/4/15	DATE/TIME	DATE/TIME

9:00 pm

S:\LOGIN\MDLCOCS

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Pace LI

CHAIN OF CUSTODY RECORD

Pace Analytical Services, Inc.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.pacelabs.com

LRF # 15110059
(LAB USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ● DISPOSAL BY RECEIVING LAB
- ○ ARCHIVAL BY RECEIVING LAB

Additional charges incurred for disposal (if hazardous) or archival.
Call for details.

CLIENT (REPORTS TO BE SENT TO): PACE	PROJECT#/PROJECT NAME: 15110059
PROJECT MANAGER: Chelsea Farmer	LOCATION (CITY/STATE) ADDRESS: NY
Project: 0836538-1	REQUIRED TURN AROUND TIME: 11/11/2015
Notes:	NAME OF COURIER (IF USED):

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - ICE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other (Na2SO3)

ELECTRONIC RESULTS: Chelsea.Farmer@pacelabs.com; Nicole.Johnson@pacelabs.com

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (LAB USE ONLY)	NUMBER OF CONTAINERS	E8260C-BTEX	PHENOLS, E8270D						REMARKS:
PRESERVATIVE CODE:														
BOTTLE TYPE:														
BOTTLE SIZE:														
BEATTY CREEK	11/3/15	11:40	L	GRAB	AS34745	4	X	X						

AMBIENT OR CHILLED: TEMP: | COC TAPE: Y N | PROPERLY PRESERVED: Y N | OTHER NOTES: Analytical Report [LEVEL-2] EDD: None

RECEIVED BROKEN OR LEAKING: Y N | COC DISCREPANCIES: Y N | RECVD W/I HOLDING TIMES: Y N

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME: Patricia Nguyen	PRINTED NAME: C. Murray	PRINTED NAME: C. Murray	PRINTED NAME	PRINTED NAME	PRINTED NAME
COMPANY: Pace	COMPANY: Pace LI	COMPANY: Pace-NY	COMPANY: Pace-LI	COMPANY	COMPANY
DATE/TIME: 11/4/15	DATE/TIME: 11-7-15	DATE/TIME: 11/4/15	DATE/TIME: 11/4/15	DATE/TIME	DATE/TIME

S:\LOGIN\MDLCOCS

9:00pm

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analyt <15110059P1> cument

The Chain-of-Custody is a LEGAL DOCUMENT. All rele accurately.

151100591

Page: of

1882139

Section A Required Client Information:

Company: PSI
Address: 1001 ERIE BLVD
SCHENECTADY, NY 12305
Email To: DAVE.MYERS@PSIUSA.COM
Phone: 5183377984 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Dave Myers
Copy To:
Purchase Order No.:
Project Name: FORMER BORDEN FACILITY
Project Number: 0836538-1

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Phenols 8270	BTEX by 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-19	WT	G			11/3/15	11:00		4	✓			✓					✓	✓	✓		AS34735
2	MW-27						10:55		4	✓			✓					✓	✓	✓		AS34736
3	MW-35R						11:55		4	✓			✓					✓	✓	✓		AS34737
4	MW-16						11:50		4	✓			✓					✓	✓	✓		AS34738
5	MW-28						12:30		4	✓			✓					✓	✓	✓		AS34739
6	MW-30						1:05		4	✓			✓					✓	✓	✓		AS34740
7	OW-35R						1:05		4	✓			✓					✓	✓	✓		AS34741
8	OW-10R						1:55		4	✓			✓					✓	✓	✓		AS34742
9	MW-15						1:40		4	✓			✓					✓	✓	✓		AS34743
10	DUPE						1:10		4	✓			✓					✓	✓	✓		AS34744
11	BEATTY CREEK						11:40		4	✓			✓					✓	✓	✓		AS34745
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Tom Rankin PSI	11/3/15	1620	Kelly Ott PACE	11/3/15	16:20	2.9	Y	N	Y
							7.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Tom Rankin
SIGNATURE of SAMPLER: Tom Rankin
DATE Signed (MM/DD/YY): 11/3/15

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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<15110059P2>

151100592

Sample Condition Upon Receipt

CLIENT NAME: BSI

PROJECT: Former Borden Facility

COURIER: FedEx ☐ UPS ☐ Client ☒ Pace ☐ Other ☐

TRACKING # N/A

CUSTODY SEAL PRESENT: Yes ☐ No ☒ INTACT: Yes ☐ No ☐ N/A ☒

PACKING MATERIAL: Bubble Wrap ☐ Bubble Bags ☒ None ☐ Other ☐ ICE USED: Wet ☒ Blue ☐ None ☐

THERMOMETER USED: #164 ☒ IR Gun 03 ☐ #122087967 ☐ COOLER TEMPERATURE (°C): 2.9, 7.4

BIOLOGICAL TISSUE IS FROZEN: Yes ☐ No ☐ N/A ☒ Temp should be above freezing to 6°C

COMMENTS: Temperature is Acceptable? ☒ Yes ☐ No

Chain of Custody Present:	☒ Yes	☐ No		1.
Chain of Custody Filled Out:	☐ Yes	☒ No		2. missing TAT
Chain of Custody Relinquished:	☒ Yes	☐ No		3.
Sampler Name / Signature on COC:	☒ Yes	☐ No		4.
Samples Arrived within Hold Time:	☒ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☒ No		6.
Rush Turn Around Time Requested:	☐ Yes	☒ No		7. missing TAT
Sufficient Volume:	☒ Yes	☐ No		8.
Correct Containers Used:	☒ Yes	☐ No		9.
- Pace Containers Used:	☒ Yes	☐ No		
Containers Intact:	☒ Yes	☐ No		10.
Filtered volume received for Dissolved tests:	☐ Yes	☐ No	☒ N/A	11.
Sample Labels match COC: - Includes date/time/ID/Analysis	☒ Yes	☐ No		12.
All containers needing preservation have been checked:	☐ Yes	☐ No	☒ N/A	13.
All containers needing preservation are in compliance with EPA recommendation: - Exceptions that are not checked: TOC, VOA, Subcontract Analyses	☐ Yes	☐ No	☒ N/A	Initial when completed: NA Lot # of added preservative: NA
Headspace in VOA Vials (>6mm):	☐ Yes	☒ No	☐ N/A	14.
Trip Blank Present:	☐ Yes	☐ No	☒ N/A	15.
Trip Blank Custody Seals Present:	☐ Yes	☐ No	☒ N/A	
Pace Trip Blank Lot #: NA				

Sample Receipt form filled in: _____

Line-Out (Includes Copying Shipping Documents and verifying sample pH): MW 11/4/15

Log In (Includes notifying PM of any discrepacies and documenting in LIMS): RAW 11/4/15

Labeling (Includes Scanning Bottles and entering LAB IDs into pH logbook): MW 11/4/15

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 709001

Site Name Borden Chemical

Site Address: 108-112 North Main Street Zip Code: 13733
City/Town: Bainbridge
County: Chenango
Site Acreage: ~~100~~ 78.66 per approved SMP - Section 1.1.1

Reporting Period: December 04, 2014 to December 04, 2015

	YES	NO
1. Is the information above correct?	☐	☒
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	☒
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	☒
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	☒
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	☒

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Industrial	☒	☐
7. Are all ICs/ECs in place and functioning as designed?	☒	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

SITE NO. 709001 Box 3

Description of Institutional Controls

Parcel	Owner	Institutional Control
254.-1-42.1	Columbus Real Estate, LLC	O&M Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.-1-43	Columbus Real Estate, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.-1-44.12	Columbus Real Estate, LLC	O&M Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.19-1-1.2	Columbus Real Estate, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.19-1-2	Columbus Real Estate, LLC	O&M Plan IC/EC Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

254.19-1-3	✳ Columbus Real Estate, LLC	Ground Water Use Restriction Soil Management Plan Landuse Restriction Monitoring Plan Site Management Plan O&M Plan IC/EC Plan

Site use restricted to commercial or industrial. Deed restriction requires compliance with SMP. SMP addresses residual PCBs in soil in some portions of the site. SMP also addresses groundwater contamination/monitoring and reporting provisions.

Box 4

Description of Engineering Controls

None Required

Not Applicable/No EC's

✳ See Present Property Status handwritten below Box 6.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES	NO
☒	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
☒	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 709001

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I S.H. Fogleman, III, President of Columbus Real Estate, LLC at 111 E Hargett St, Ste 300 Raleigh, NC 27601,
print name print business address

am certifying as Remedial Party (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of ~~Owner~~, Remedial Party, ~~or Designated Representative~~ Rendering Certification — Date: 12/11/2015

Present Property Status:

Columbus Real Estate (CRE) understands that the following parcels were recently foreclosed by Chenago County: 254.1-1-42.1; 254.1-1-43; 254.1-44.12; 254.19-1-1.2; 254.19-1-2; 254.19-1-3; and 254.19-1-4 (not subject to the SMP). The parcel 265.08-1-5 (also not subject to the SMP) was withdrawn from foreclosure. The County has received bids on the foreclosed properties and discussions with the Chenago County Clerk indicate the foreclosed properties were purchased by John Payne Enterprises, LLC of Bainbridge, New York.

CRE is prepared to continue carrying out Consent Order obligations related to the site through the use of a dedicated remediation account and financial assurance accounts. CRE would require an access agreement from John Payne Enterprises, LLC to carry out these obligations.

IC/EC CERTIFICATIONS

Box 7

Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I David W. Myers (print name) at 104 Erie Blvd - Suite 1 - Schenectady, N.Y (print business address)

am certifying as a Qualified Environmental Professional (QEP) for the Columbus Real Estate, LLC (Owner or Remedial Party)

David W. Myers — Signature of , for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

11/12/15 — Date