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# SECOND QUARTER 2013 MONITORING REPORT

Former Carborundum Facility

2040 Cory Drive

Village of Sanborn, Town of Wheatfield, Niagara County, New York

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*Prepared for:*



New York State Department of Environmental Conservation  
Division of Hazardous Waste Remediation

270 Michigan Avenue

Buffalo, New York 14203

*Submitted by:*

**Atlantic Richfield Company**

*A BP affiliated company*

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*Prepared by:*

**PARSONS**

40 LA RIVIERE DRIVE, SUITE 350

BUFFALO, NEW YORK 14202

**August 2013**

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*Second Quarter 2013 Monitoring Report For:*

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**GROUNDWATER REMEDIATION PROGRAM  
AT THE  
FORMER CARBORUNDUM FACILITY  
Village of Sanborn, Town of Wheatfield, Niagara County, New York**

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**August 2013**

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# **SECOND QUARTER 2013 MONITORING REPORT FOR GROUNDWATER REMEDIATION PROGRAM AT THE FORMER CARBORUNDUM FACILITY VILLAGE OF SANBORN, TOWN OF WHEATFIELD, NIAGARA COUNTY, NEW YORK**

## **INTRODUCTION**

On behalf of the Atlantic Richfield Company (ARC), Parsons conducts ongoing Operations, Monitoring, and Maintenance (OM&M) activities for the groundwater remediation system at the former Carborundum Facility located at 2040 Cory Drive in the Village of Sanborn, Town of Wheatfield, New York (Site). Figure 1 shows the location of the Site. As part of the OM&M activities, quarterly groundwater sampling is scheduled for January, April, July, and October. This report presents the results of the April 2013 groundwater sampling event and provides a summary of the OM&M activities completed between April 1 and June 30, 2013.

The April 2013 groundwater sampling event included static water level measurements prior to purging and the collection of groundwater samples from 23 monitoring wells, six recovery wells, and a surface water sample from the Niagara Quarry in accordance with the NYSDEC-approved (October 2005, amended 2009) sampling program. All samples were submitted to Eurofins/Lancaster Laboratories, Inc., a New York State Department of Health certified laboratory, for volatile organic compound (VOC) analysis, and 15 of the samples were submitted for natural attenuation parameter analysis. The locations of the sampled wells are shown in Figure 2. A summary of the groundwater analytical results from each well in the Top of Rock Zone and Zone 1 is provided in Figure 3. Analytical results for Zones 2, 3, 4, and 5 are shown in Figure 4.

## **WATER LEVEL MEASUREMENTS**

On April 1, 2013, water levels were measured in 59 monitoring wells and six recovery wells. The water levels were measured to the nearest 0.01 feet from the top of the well casing, using an electronic water level meter. The water level meter was decontaminated between measurements at each well. Water level elevations were calculated using the surveyed elevations of the top of well casings and the measured depth to groundwater. Table 1 provides a summary of the water level measurements. Groundwater elevation contours for the Top of Rock Zone and Zone 1 for April 2013 are shown in Figures 5 and 6. Groundwater elevations and resultant flow patterns are consistent with the historical data. Groundwater flow in both the Top of Rock Zone and Zone 1 is generally to the southeast in the northern part of the Site and to the southwest in the southern part of the Site and south of the Site.

## **GROUNDWATER SAMPLING**

The groundwater sampling event was completed between April 2 and April 9, 2013. Groundwater samples were divided into three different groups based on historical analytical results from individual wells. The sampling groups were identified as least impacted (low), medium impacted (medium), and most impacted (high). To the extent practical, the wells in the

low group were sampled first, followed by wells in the medium group, and lastly, wells in the high group.

Quality assurance/quality control (QA/QC) samples included trip blanks, field duplicates and matrix spike/matrix spike duplicates (MS/MSD). QA/QC sample sets were collected at a rate of one per sample designation group (20 samples or less). A trip blank was included with each sample cooler. Analytical results for the QA/QC samples are included in Appendix B.

Low-flow sampling methods were employed to collect 15 groundwater samples for VOCs and natural attenuation parameters (see Table 5). A pneumatically operated bladder pump was placed approximately one to two feet above the well bottom. Groundwater was pumped through an in-line flow cell until groundwater quality readings for indicator parameters (pH, temperature, conductivity, redox, and dissolved oxygen) stabilized. Data collected during purging can be found on the field sampling forms in Appendix A and Table 2. Purge volumes varied from 1 to 15 gallons per well. After the parameters stabilized, the groundwater sample was collected.

The remaining 8 monitoring wells were purged with a decontaminated pump, dedicated high density polyethylene (HDPE) bailer, or the sampling port on the pumping well (see Table 2 for purging method used for each well). During purging, field parameters (pH, specific conductivity, temperature, and turbidity) were measured and recorded. Purging continued until field parameters had stabilized, between three and five well volumes of water had been purged, or the well was purged dry. After purging was completed, a groundwater sample was collected from the monitoring well.

The six recovery well samples were collected from sampling ports at the well head or directly from the well with an HDPE disposable bailer. Field parameters were measured again immediately after the sample collection (see Table 3). The recovery wells were analyzed for VOCs only.

All VOC samples were placed in pre-cleaned, labeled 40-ml glass vials provided by the laboratory. The sample vials did not contain preservatives. Three sample vials were collected for each analysis. The containers were visually inspected to confirm that they did not contain air bubbles.

## **LABORATORY ANALYSIS AND RESULTS**

Groundwater samples collected during the April 2013 sampling event were submitted to the laboratory for VOC analysis using Method 8260B. The Method 8260B analytical reports provided results for selected halogenated VOCs. The analytical results are listed in the laboratory data reports in Appendix B, along with chain-of-custody records (COCs).

The chemical analytical results for this round of groundwater sampling, with the exceptions discussed below, were generally consistent with historical concentrations and are summarized in Table 4. Figures 3 and 4 provide a summary of the analytical results for the past four sampling events, including the current Second Quarter 2013 event, plotted on a Site map. The sample results have been incorporated into the project water quality database. A historical summary (January 2001 through June 2013) is provided in Appendix C.

Results for the second quarter 2013 groundwater sampling were generally consistent with previous results. Comments are noted below for wells where trends are being evaluated. These wells include B-10M, B-13M, B-38M, P-2, P-4, and PW-3. Time series plots for these wells and historical and current analytical data for all of the wells have been included in Appendix C.

- B-10M: The April 2013 concentration of cis-DCE (3.1 ug/L) was the second lowest observed, TCE (27 ug/L) was tied for the lowest concentration observed, and this resulted in the second lowest total VOC concentration (32.4 ug/L) since 2001.
- B-13M: In April 2013, 1,1-DCA (21 ug/L) and 1,1,1-TCA (4.0 ug/L) returned to the range normally observed. In January 2013, the 1,1,1-TCA and the 1,1-DCA concentrations were the first and second highest concentrations, respectively, observed at this location.
- B-38M: The April 2013 analytical results showed the highest observed value for TCE (44 ug/L) found at this location since 2001 and 1,1-DCA (1.4 ug/L) was the second highest observed. Other compounds were within the historically observed ranges.
- P-2: In April 2013, the sample was collected with the well in service, and all analytical parameters were within the typically observed range. The recovery well was returned to service subsequent to the January 2013 sampling event where the well was sampled with a bailer.
- P-4: The April 2013 analytical results showed concentrations closer to the typically observed range in the recovery well. 1,1,1-TCA (28 ug/L), PCE (1.9 ug/L), 1,1-DCA (40 ug/L), 1,1-DCE (7.1 ug/L), and TCE (1,900 ug/L) were closer to the typically observed concentrations while remaining slightly elevated (for example PCE in April, while low, was the second highest observed since 2001 and TCE was the fifth highest observed since 2001). In January 2013, two VOCs, 1,1,1-TCA (42 ug/L) and PCE (2.0 ug/L), were at the highest level observed. Three other compounds, 1,1-DCA (52 ug/L), 1,1-DCE (11 ug/L), and TCE (2,100 ug/L), were the second highest observed here.
- PW-3: In the recovery well, total VOCs (907 and 692 ug/L) and cis-DCE (160 and 170 ug/L) observed in January and April 2013 appear to be anomalously low. Additionally, the April 2013 TCE concentration (510 ug/L) was lower than normally observed. Total VOC concentrations typically range from 1,200 to 6,200 ug/L, TCE concentrations typically range from 700 to 5,000 ug/L, and cis-DCE concentrations typically range from 400 to 2,900 ug/L.

Limited data validation was performed on the analytical results. Analytical holding times, laboratory control sample recoveries, laboratory method blanks, MS/MSD precision and accuracy for designated spiked project samples, and surrogate recoveries associated with project samples, were considered acceptable. The sample data are considered usable and valid for their intended purpose.

## **SUMMARY OF OPERATIONS AND MAINTENANCE ACTIVITY**

During the reporting period, routine maintenance was conducted on the groundwater recovery and treatment system to facilitate operations. Non-routine system maintenance and repairs during the quarter included:

- Responded to an alarm for blower failure to start after a short power outage. Reset the circuit breaker;
- Installed new lighting in blower room, several areas inside the treatment building, and all outside lighting;
- Removed unused old blower piping and repaired wall penetration;
- Replaced carbon reactor vessels outlet butterfly valves; and
- Temporarily repaired wiring to P-4. Permanent repairs are scheduled for next quarter.

Recovery wells PW-4 and P-2 were temporarily turned off (September 7, 2012 and September 20, 2012 respectively) due to an odor identified in the water from the wells. An investigation was completed that identified the probable source of the odor as furfural. Once furfural was identified as the likely source of the odor, recovery well P-2 was turned back on February 11, 2013. A 12-week furfural monitoring program commenced February 13, 2013. The monitoring program was designed to:

1. Characterize the presence, concentration, and mass loading of furfural in both the Vault Water Collection and the Groundwater Extraction systems.
2. Assess the capability of the existing water treatment system (which includes shallow-tray air stripping and activated carbon adsorption) to treat furfural in terms of both treatment efficiency and effluent concentration.

Due to furfural not being detected in the influent tank (T-801) or further downstream in the treatment system, the 12-week furfural monitoring program was ended at 8 weeks with NYSDEC approval.

## **EFFLUENT AND PERMIT COMPLIANCE ISSUES**

During the reporting period, approximately 2.9 million gallons of groundwater were recovered and treated including water from the vaults in the Metaullics facility. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorizes discharge through March 31, 2017. The average pumping rate from the system was approximately 22.4 gallons per minute (gpm) during the reporting period. The total extracted mass of VOCs during the second quarter of 2013 was 15.0 pounds. The extracted mass was estimated using individual well pumping rates and analytical results.



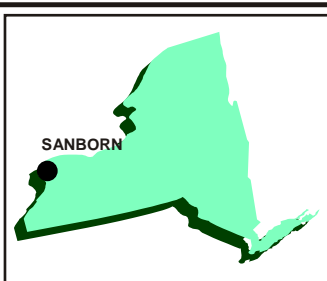
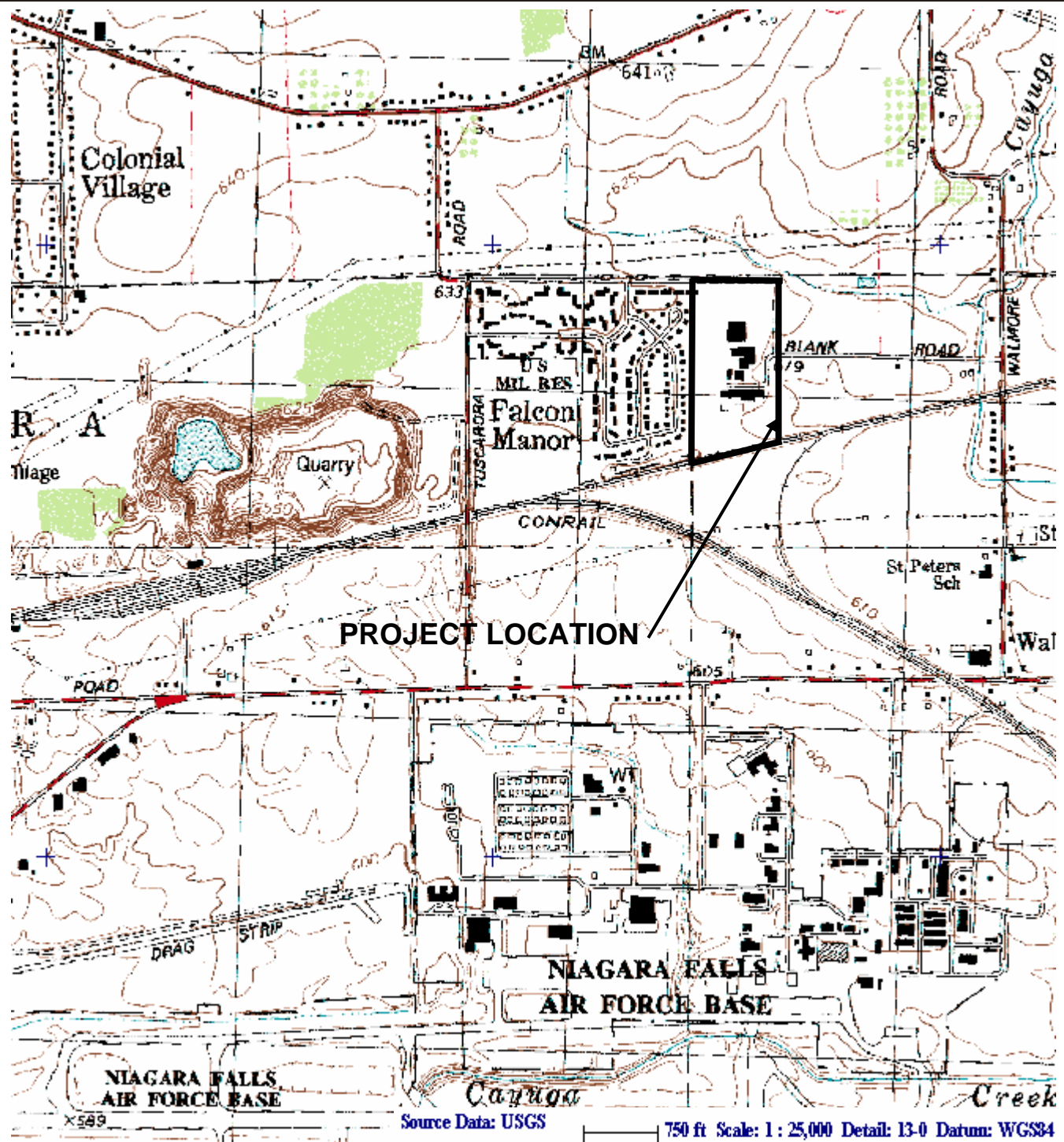
Effluent samples were collected at the outfall (OU1) inside the treatment building. Monthly discharge monitoring reports (DMRs) were provided to NYSDEC, in compliance with the SPDES permit (NY0001988). The DMRs documented the analytical results from the effluent samples. All analytical results were compliant with the SPDES permit.

Table 6 provides the GRS performance summary for the quarter. The GRS uptime (hours during quarter that the GRS was operational/total hours during quarter) for the quarter was 100 percent. Recovery well PW-4 had been included in the operational uptime through the first quarter of 2013 but has not been operated since September 2012. Based on this fact, PW-4 has not been included in the uptime beginning the second quarter of 2013.

## **SUMMARY AND CONCLUSIONS**

- Groundwater concentrations are consistent with recent data, with comments provided for B-10M, B-13M, B-38M, P-2, P-4, and PW-3.
- Groundwater elevations and flow paths were consistent with historical patterns.
- Based on the data review described in this report, the laboratory analytical data are considered valid for their intended use.
- Monthly DMRs were provided to NYSDEC. The discharge data were within the compliance parameters for each monthly reporting period.
- To the extent possible, the groundwater recovery and treatment system was operated continuously throughout the reporting period. Uptime of the GRS for the quarter was 100 percent.

## FIGURES



New York  
Quadrangle

LATITUDE: N43° 07' 43"  
LONGITUDE: W78° 56' 18"



SOURCE: DeLORME 3-D  
TOPOQUAD PROGRAM

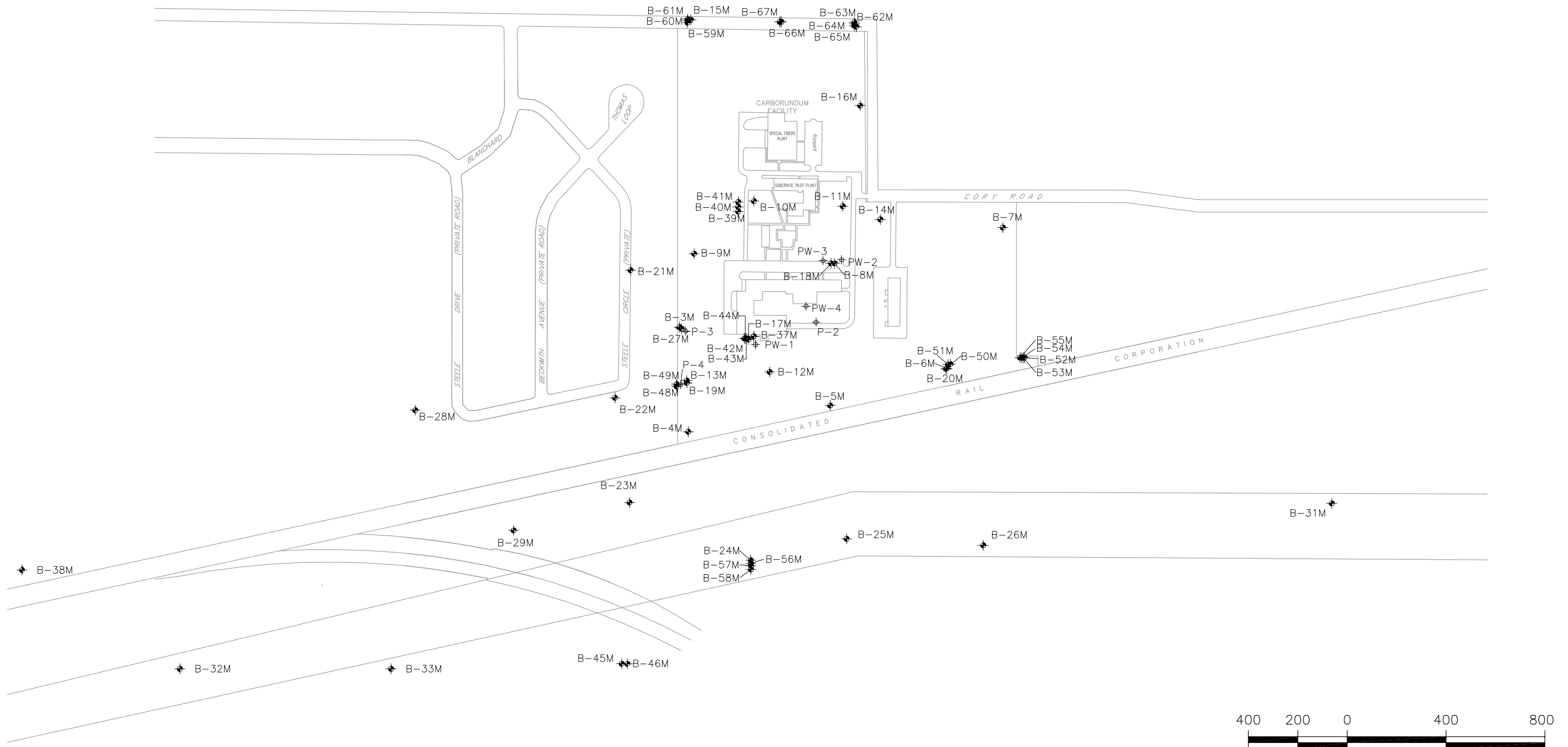
## FIGURE 1

ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
SANBORN, NEW YORK

## PROJECT LOCATION PLAN

**PARSONS**

40 LA RIVIERE DRIVE, SUITE 350 BUFFALO, NEW YORK, 14202 \* (716) 541-0730



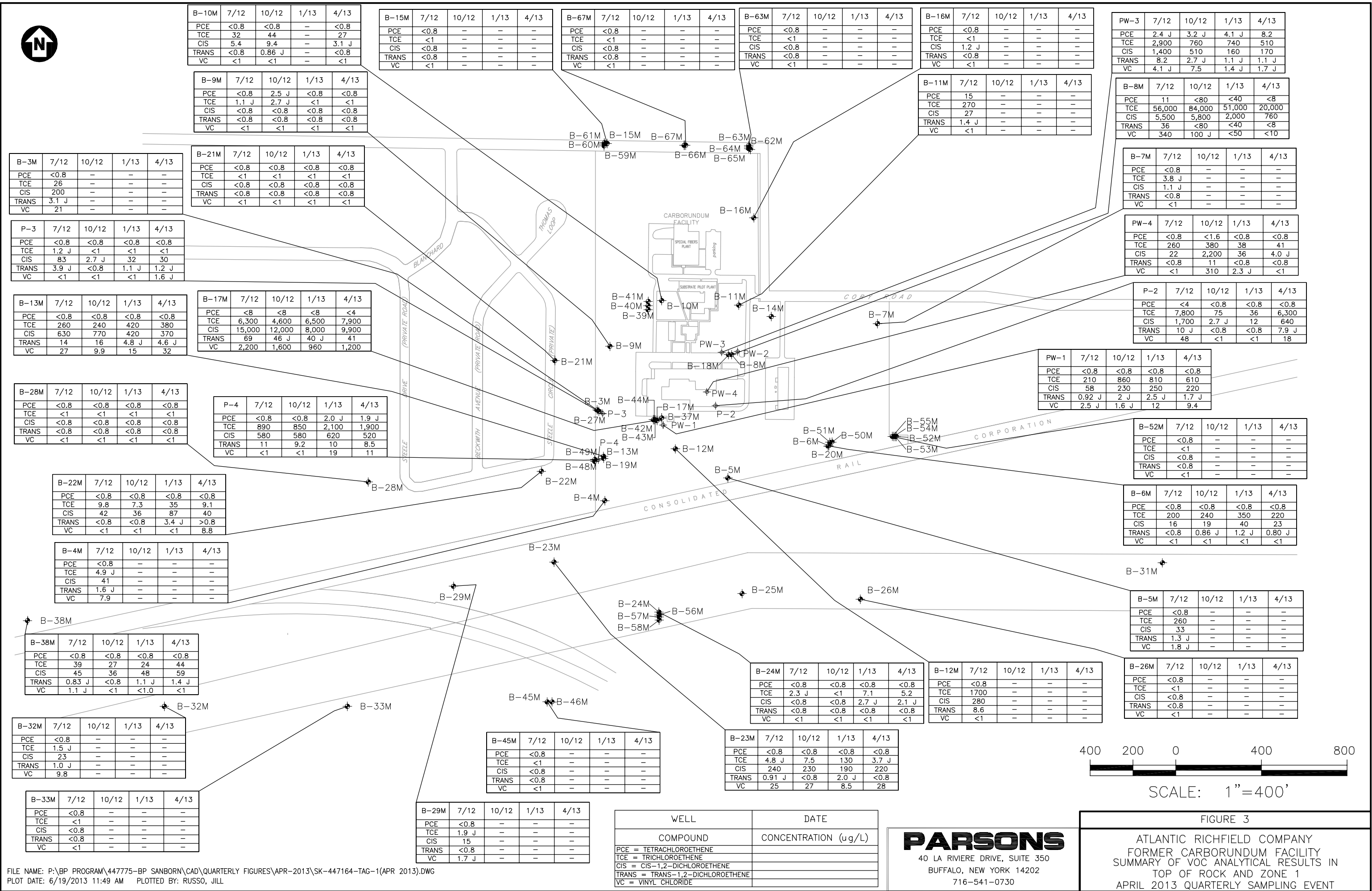
LEGEND:

- MONITORING WELL
- PUMPING WELL

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FIGURE 2

ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
SITE PLAN





B-41M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	<1	<1	<1	<1
CIS	5.8	4.6 J	7.8	6.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-59M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	3.4 J	-	-	-
TRANS	<0.8	-	-	-
VC	2.7 J	-	-	-

B-61M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-60M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-62M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-40M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	2.1 J	2.4 J	2.2 J	1.6 J
CIS	2.6 J	3.6 J	3.3 J	2.6 J
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-64M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-65M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-39M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	7.3	8.7	10	8
CIS	2.8 J	4.8 J	2 J	1.8 J
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-66M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-44M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	3.2 J	5.2	4.8 J	46
CIS	6.5	13	11	26
TRANS	<0.8	<0.8	<0.8	<0.8
VC	3.7 J	7.4	4.8 J	4.7 J

B-42M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	3.1 J	2.3 J	3.2 J	7.7
CIS	8.3	6.5	6.3	11
TRANS	0.9 J	0.83 J	<0.8	1.3 J
VC	<1	<1	<1	<1

B-43M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	3.0 J	3.4 J	1.6 J	15
CIS	11	11	5.9	9.5
TRANS	<0.8	<0.8	<0.8	<0.8
VC	4.3 J	2.9 J	3.1 J	<1

B-49M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	<1	<1	<1	<1
CIS	<0.8	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-48M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	<1	<1	1.0 J	1.8 J
CIS	<0.8	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-19M	7/12	10/12	1/13	4/13
PCE	-	-	<0.8	<0.8
TCE	-	-	<1	1.4 J
CIS	-	-	0.81 J	2.5 J
TRANS	-	-	<0.8	<0.8
VC	-	-	<1	<1

B-55M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-54M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-53M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	12	-	-	-
CIS	3.0 J	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-50M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	58	-	-	-
CIS	13	-	-	-
TRANS	1.1 J	-	-	-
VC	<1	-	-	-

B-20M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-31M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	3.3 J	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

B-56M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	190	99	45	110
CIS	25	200	15	27
TRANS	1.2 J	1.7 J	<0.8	0.97 J
VC	<1	2 J	<1	<1

B-57M	7/12	10/12	1/13	4/13
PCE	<0.8	<0.8	<0.8	<0.8
TCE	<1	<1	<1	<1
CIS	<0.8	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-58M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	<1	-	-	-
CIS	<0.8	-	-	-
TRANS	<0.8	-	-	-
VC	<1	-	-	-

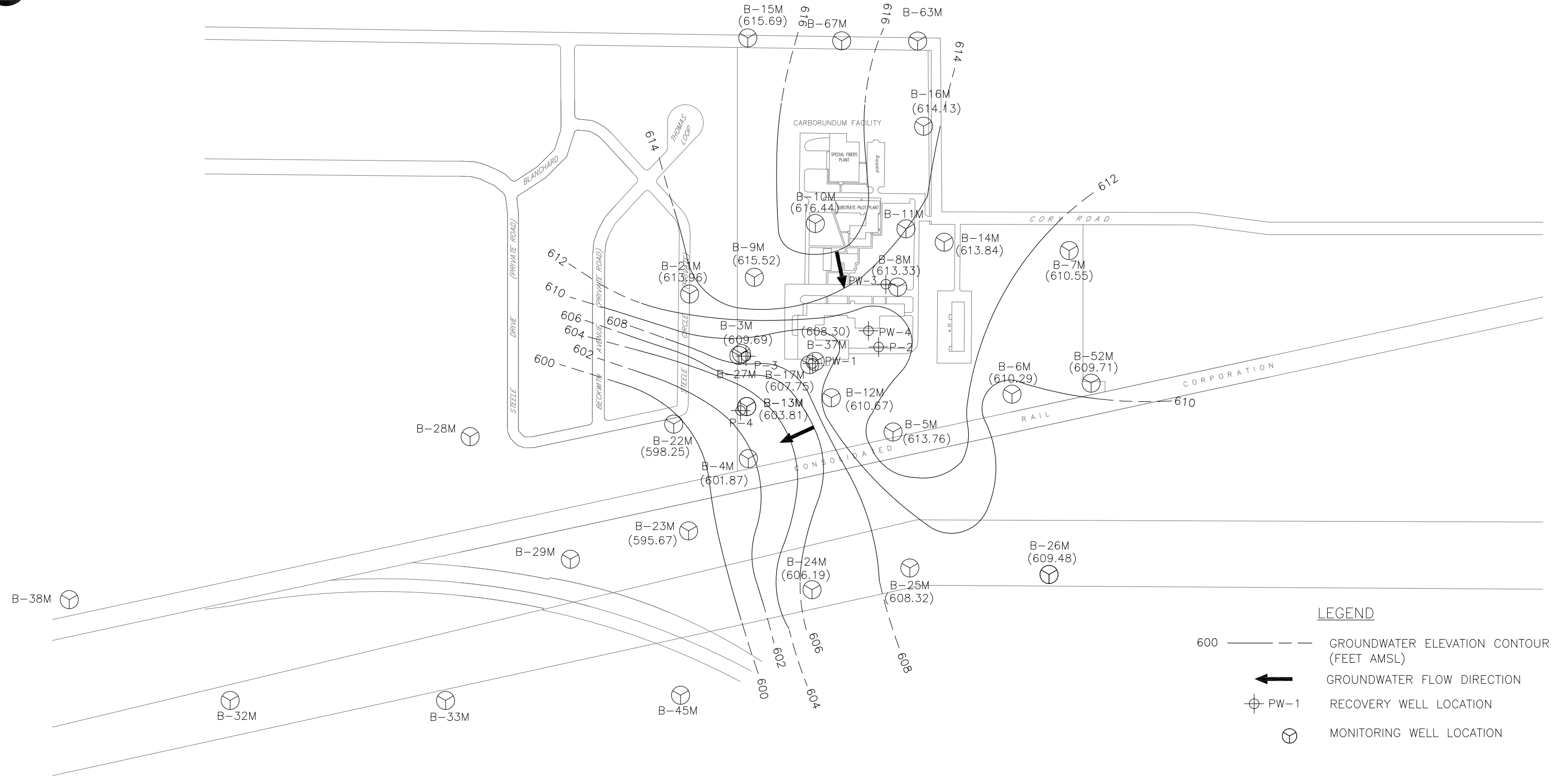
B-46M	7/12	10/12	1/13	4/13
PCE	<0.8	-	-	-
TCE	10	-	-	-
CIS	46	-	-	-
TRANS	<0.8	-	-	-
VC	3.3 J	-	-	-

WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	

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FIGURE 4

ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
SUMMARY OF VOC ANALYTICAL RESULTS IN  
ZONES 2, 3, 4 & 5  
APRIL 2013 QUARTERLY SAMPLING EVENT



**NOTE:**

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

**LEGEND**

- 600 ——— GROUNDWATER ELEVATION CONTOUR (FEET AMSL)
- ← GROUNDWATER FLOW DIRECTION
- ⊕ PW-1 RECOVERY WELL LOCATION
- ⊙ MONITORING WELL LOCATION

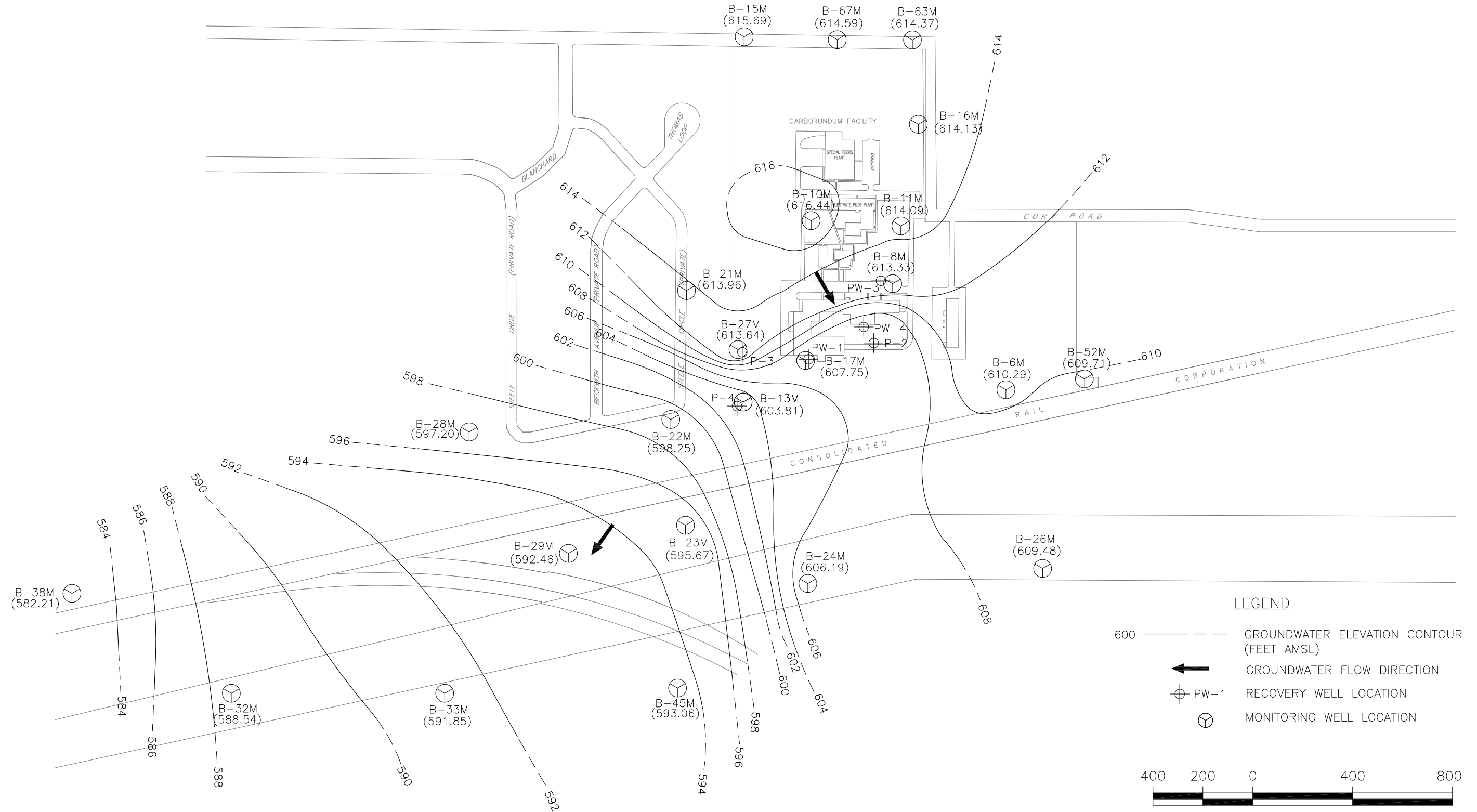


SCALE: 1"=400'

**FIGURE 5**

ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
GROUNDWATER ELEVATION  
TOP OF ROCK – APRIL 1, 2013

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40 LA RIVIERE DRIVE, SUITE 350  
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716-541-0730



**NOTE:**

1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

FIGURE 6

ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
GROUNDWATER ELEVATION  
ZONE 1- APRIL 1, 2013



## TABLES

**TABLE 1**  
**MONTHLY GROUNDWATER ELEVATION DATA**  
**APRIL 2013**  
**THE FORMER CARBORUNDUM COMPANY**  
**SANBORN, NEW YORK**

Monitoring Well I.D.	Date	Top of Riser Elevation (ft)	Water Level (ft)	Groundwater Elevation (ft)	Remarks
P-2	04/01/13	619.67	22.16	597.51	
P-3	04/01/13	627.35	28.96	598.39	
P-4	04/01/13	624.45	27.61	596.84	
PW-1	04/01/13	619.78	17.98	601.80	
PW-3	04/01/13	618.28	11.80	606.48	
PW-4	04/01/13	620.84	7.2	613.64	
B-3M	04/01/13	625.59	15.90	609.69	
B-4M	04/01/13	622.24	20.37	601.87	
B-5M	04/01/13	620.83	7.07	613.76	
B-6M	04/01/13	615.69	5.40	610.29	
B-7M	04/01/13	616.22	5.67	610.55	
B-8M	04/01/13	618.57	5.24	613.33	
B-9M	04/01/13	623.03	7.51	615.52	
B-10M	04/01/13	626.05	9.61	616.44	
B-11M	04/01/13	622.81	8.72	614.09	
B-12M	04/01/13	622.17	11.50	610.67	
B-13M	04/01/13	626.70	22.89	603.81	
B-14M	04/01/13	618.25	4.41	613.84	
B-15M	04/01/13	623.98	8.29	615.69	
B-16M	04/01/13	624.31	10.18	614.13	
B-17M	04/01/13	622.07	14.32	607.75	
B-18M	04/01/13	618.69	6.91	611.78	
B-19M	04/01/13	626.01	17.35	608.66	
B-20M	04/01/13	615.32	6.55	608.77	
B-21M	04/01/13	622.56	8.60	613.96	
B-22M	04/01/13	622.29	24.04	598.25	
B-23M	04/01/13	617.71	22.04	595.67	
B-24M	04/01/13	617.24	11.05	606.19	
B-25M	04/01/13	619.31	10.99	608.32	
B-26M	04/01/13	618.06	8.58	609.48	
B-27M	04/01/13	626.04	12.40	613.64	
B-28M	04/01/13	622.62	25.42	597.20	
B-29M	04/01/13	618.31	25.85	592.46	
B-31M	04/01/13	613.78	7.21	606.57	
B-32M	04/01/13	619.35	30.81	588.54	
B-33M	04/01/13	612.43	20.58	591.85	
B-37M	04/01/13	616.90	8.60	608.30	
B-38M	04/01/13	609.81	27.60	582.21	
B-39M	04/01/13	626.12	11.95	614.17	
B-40M	04/01/13	626.23	12.80	613.43	
B-41M	04/01/13	626.31	15.45	610.86	
B-42M	04/01/13	623.76	9.78	613.98	
B-43M	04/01/13	623.64	12.11	611.53	
B-44M	04/01/13	623.29	14.23	609.06	
B-45M	04/01/13	612.12	19.06	593.06	
B-46M	04/01/13	613.46	20.65	592.81	
B-48M	04/01/13	625.40	11.78	613.62	
B-49M	04/01/13	625.56	22.68	602.88	
B-50M	04/01/13	616.47	6.70	609.77	
B-51M	04/01/13	616.48		NA	damaged
B-52M	04/01/13	616.26	6.55	609.71	
B-53M	04/01/13	616.14	6.43	609.71	
B-54M	04/01/13	616.00	6.32	609.68	
B-55M	04/01/13	615.59	21.58	594.01	
B-56M	04/01/13	617.78	22.15	595.63	
B-57M	04/01/13	617.80	24.00	593.80	
B-58M	04/01/13	617.99	21.38	596.61	
B-59M	04/01/13	625.53	20.72	604.81	
B-60M	04/01/13	625.67	12.75	612.92	
B-61M	04/01/13	625.72	11.29	614.43	
B-62M	04/01/13	624.14	2.93	621.21	lid missing
B-63M	04/01/13	624.04	9.67	614.37	
B-64M	04/01/13	624.05	9.75	614.30	
B-65M	04/01/13	623.98	11.04	612.94	
B-66M	04/01/13	625.54	10.66	614.88	
B-67M	04/01/13	625.59	11	614.59	

TABLE 2  
MONITORING WELL GROUNDWATER PURGING DATA  
APRIL 2013 QUARTERLY SAMPLING EVENT  
FORMER CARBORUNDUM COMPANY  
SANBORN, NEW YORK

Monitoring Well ID	Date	Time	Top of Riser Elevation (ft)	Initial Water Level (ft)	Initial Groundwater Elevation (ft)	Measured Well Bottom (ft)	Water Column Hgt. (ft)	One Well Volume (gal)	Total Volume Purged (gal)	Purging Codes	Remarks
P-2	4/4/13	14:00	619.67								Pumping well
P-3	4/3/13	13:45	627.35								Pumping well
P-4	4/3/13	10:05	624.45								Pumping well
PW-1	4/4/13	10:06	619.78								Pumping well
PW-3	4/2/13	14:25	618.28								Pumping well
PW-4	4/2/13	14:15	618.28								Pumping well
B-6M	4/8/13	12:10	615.69	6.25	609.44	19.15	12.90	2.19	11	4	
B-8M	4/8/13	13:00	618.57	6.06	612.51	17.80	11.74	2.00	1.5	3	Alkalinity as CaCO <sub>3</sub> = 200 mg/L, Ferrous Iron = 0 mg/L
B-9M	4/8/13	14:05	623.03	8.42	614.61	21.16	12.74	2.20	8.8	4	
B-10M	4/2/13	8:30	622.56	10.06	612.50	27.91	17.85	3.03	1.5	3	Alkalinity as CaCO <sub>3</sub> = 240 mg/L, Ferrous Iron = 0.2 mg/L
B-13M	4/3/13	8:15	617.20	23.31	593.89	36.01	12.70	2.16	~2.5	3	Alkalinity as CaCO <sub>3</sub> = 200 mg/L, Ferrous Iron = 0.2 mg/L
B-17M	4/4/13	8:15	622.07	15.11	606.96	26.00	10.89	1.85	~1.75	3	Alkalinity as CaCO <sub>3</sub> = 220 mg/L, Ferrous Iron = 2.0 mg/L
B-19M	4/3/13	9:45	626.01	17.87	608.14	26.11	8.24	1.40	~2.3	3	Alkalinity as CaCO <sub>3</sub> = 180 mg/L, Ferrous Iron = 0 mg/L
B-21M	4/9/13	9:50	622.56	9.64	612.92	26.60	16.96	2.88	15	4	
B-22M	4/9/13	11:10	617.71	25.30	592.41	35.95	10.65	1.81	~1.75	3	Alkalinity as CaCO <sub>3</sub> = 200 mg/L, Ferrous Iron = 1.0 mg/L
B-23M	4/8/13	10:50	617.71	22.92	594.79	31.75	8.83	1.50	~1	3	Alkalinity as CaCO <sub>3</sub> = 220 mg/L, Ferrous Iron = 0.8 mg/L
B-24M	4/8/13	10:00	617.20	11.68	605.52	26.65	14.97	2.54	13	4	
B-28M	4/9/13	10:35	622.62	27.19	595.43	34.58	7.39	1.26	7	4	
B-38M	4/9/13	8:50	609.81	27.76	582.05	41.23	13.47	2.29	12	4	
B-39M	4/2/13	13:00	626.12	12.21	613.91	44.00	31.79	5.40	2	3	Alkalinity as CaCO <sub>3</sub> = 180 mg/L, Ferrous Iron = 0 mg/L
B-40M	4/2/13	11:25	626.23	13.20	613.03	57.90	44.70	7.60	~2.25	3	Alkalinity as CaCO <sub>3</sub> = 180 mg/L, Ferrous Iron = 0 mg/L
B-41M	4/2/13	10:00	626.31	15.85	610.46	72.60	56.75	9.65	~2.2	3	Alkalinity as CaCO <sub>3</sub> = 200 mg/L, Ferrous Iron = 0.4 mg/L
B-42M	4/4/13	12:15	623.76	10.30	613.46	45.41	35.11	5.97	~3	3	Alkalinity as CaCO <sub>3</sub> = 180 mg/L, Ferrous Iron = 0 mg/L
B-43M	4/4/13	10:55	623.64	13.41	610.23	58.90	45.49	7.73	~1.75	3	Alkalinity as CaCO <sub>3</sub> = 180 mg/L, Ferrous Iron = 0 mg/L
B-44M	4/4/13	9:40	623.29	15.08	608.21	80.45	65.37	11.11	~1.5	3	Alkalinity as CaCO <sub>3</sub> = 180 mg/L, Ferrous Iron = 0 mg/L
B-48M	4/3/13	11:15	625.40	12.30	613.10	46.90	34.60	5.88	1.5	3	Alkalinity as CaCO <sub>3</sub> = 200 mg/L, Ferrous Iron = 0 mg/L
B-49M	4/3/13	12:10	625.56	23.24	602.32	82.45	59.21	10.07	~2	3	Alkalinity as CaCO <sub>3</sub> = 160 mg/L, Ferrous Iron = 0 mg/L
B-56M	4/8/13	9:05	617.78	22.75	595.03	39.61	16.86	2.90	14.5	5	
B-57M	4/8/13	8:30	617.80	25.28	592.52	50.60	25.32	4.30	5.1	4,5	
Quarry Pond	4/9/13	8:30			NA						

Purge Codes: 1 - Sample port purged prior to sampling.  
2 - Dedicated stainless steel bailer.  
3 - Peristaltic pump.  
4 - Disposable polyethylene bailer.  
5 - Purge pump.  
6 - Bladder Pump with flow through cell.

NS - Not Sampled  
NA - Not Available

**TABLE 3**  
**MONITORING WELL GROUNDWATER SAMPLING DATA**  
**APRIL 2013 QUARTERLY SAMPLING EVENT**  
**FORMER CARBORUNDUM COMPANY**  
**SANBORN, NEW YORK**

Monitoring Well ID	Date	Time	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	4/4/13	14:00	6.34	1.27	51.4	10.9	Pumping well
P-3	4/3/13	13:45	6.69	1.31	48.1	50.8	Pumping well
P-4	4/3/13	10:05	6.51	0.98	46.5	1.23	Pumping well
PW-1	4/4/13	10:06	6.59	0.74	56.1	3.82	Pumping well
PW-3	4/2/13	14:25	6.22	1.50	45.5	4.72	Pumping well
PW-4	4/2/13	14:15	6.21	0.59	48.0	44.6	Pumping well
B-6M	4/8/13	12:10	7.48	0.94	50.10	333	
B-8M	4/8/13	13:00	7.38	1.12	10.99	40.8	
B-9M	4/8/13	14:05	7.04	0.55	46.70	46.3	
B-10M	4/2/13	8:30	6.74	1.39	8.45	10.1	
B-13M	4/3/13	8:15	7.12	1.65	9.65	10.3	
B-17M	4/4/13	8:15	7.15	0.979	13.20	11.8	
B-19M	4/3/13	9:45	7.57	1.18	7.31	0.75	
B-21M	4/9/13	9:50	6.75	1.15	52.80	16	
B-22M	4/9/13	11:10	7.27	1.2	13.32	7.59	
B-23M	4/8/13	10:50	7.27	1.07	11.93	11.3	
B-24M	4/8/13	10:00	6.75	1.16	49.50	26.9	
B-28M	4/9/13	10:35	7.25	1.12	52.80	259	
B-38M	4/9/13	8:50	6.95	1.10	51.00	39.3	
B-39M	4/2/13	13:00	6.95	0.903	8.37	4.1	
B-40M	4/2/13	11:25	6.77	2.01	7.90	10.1	
B-41M	4/2/13	10:00	7.15	0.882	7.81	3.9	
B-42M	4/4/13	12:15	7.28	0.754	11.60	7.3	
B-43M	4/4/13	10:55	7.55	1.47	9.77	7.74	
B-44M	4/4/13	9:40	7.58	2.51	12.78	12.6	
B-48M	4/3/13	11:15	7.13	0.805	8.42	1.22	
B-49M	4/3/13	12:10	7.01	2.76	7.30	2.0	
B-56M	4/8/13	9:05	6.97	1.19	50.20	124	
B-57M	4/8/13	8:30	7.05	2.13	50.40	14.4	
Tank#2	4/8/13		7.43	1.63	56.50	70.6	
VWCC	4/3/13	14:00	7.1	1.46	53.70	43.7	
Quarry Pond	4/9/13	8:30	6.60	2.12	50.30	2.73	

**TABLE 4**  
**MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY**  
**APRIL 2013 QUARTERLY SAMPLING EVENT**  
**FORMER CARBORUNDUM COMPANY**  
**SANBORN, NEW YORK**

Well Id	Lab Sample ID	Sample Date	Carbon Tetrachloride ug/l	Chloroform ug/l	1,1-Dichloroethane ug/l	1,1-Dichloroethene ug/l	Methylene chloride ug/l	trans-1,2-Dichloroethene ug/l	cis-1,2-Dichloroethene ug/l	total-1,2-Dichloroethene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Vinyl chloride ug/l	Tetrachloroethene ug/l
P-2	7011183	4/4/2013	< 2.0	< 1.6	81	22	< 4.0	7.9 J	640	647.9	590	6300	18	< 1.6
P-3	7010226	4/3/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.2 J	30	31.2	< 0.80	< 1.0	1.6 J	< 0.80
P-4	7010225	4/3/2013	< 1.0	< 0.80	40	7.1	< 2.0	8.5	520	528.5	28	1900	11	1.9 J
PW-1	7011182	4/4/2013	< 1.0	< 0.80	2.1 J	1.1 J	< 2.0	1.7 J	220	221.7	1.5 J	610	9.4	< 0.80
PW-3	7007578	4/2/2013	< 1.0	< 0.80	< 1.0	0.81 J	< 2.0	1.1 J	170	171.1	< 0.80	510	1.7 J	8.2
PW-4	7007577	4/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	4.0 J	4	< 0.80	41	< 1.0	< 0.80
B- 6M	7015025	4/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	0.80 J	23	23.8	< 0.80	220	< 1.0	< 0.80
B- 8M	7015031	4/8/2013	< 10	< 8.0	< 10	< 8.0	< 20	< 8.0	760	760	< 8.0	20000	< 10	< 8.0
B- 9M	7015032	4/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80
B-10M	7007576	4/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.1 J	3.1	2.3 J	27	< 1.0	< 0.80
B-13M	7010220	4/3/2013	< 1.0	< 0.80	21	3.6 J	< 2.0	4.6 J	370	374.6	4.0 J	380	32	< 0.80
B-17M	7011179	4/4/2013	< 5.0	< 4.0	54	36	< 10	41	9900	9941	7.9 J	7900	1200	< 4.0
B-19M	7010221	4/3/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.5 J	2.5	< 0.80	1.4 J	< 1.0	< 0.80
B-21M	7016202	4/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80
B-22M	7016198	4/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	40	40	< 0.80	9.1	8.8	< 0.80
B-23M	7015024	4/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	220	220	< 0.80	3.7 J	28	< 0.80
B-24M	7015026	4/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.1 J	2.1	< 0.80	5.2	< 1.0	< 0.80
B-28M	7016203	4/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80
B-38M	7016204	4/9/2013	< 1.0	< 0.80	1.4 J	< 0.80	< 2.0	1.4 J	59	60.4	< 0.80	44	< 1.0	< 0.80
B-39M	7007573	4/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	1.8 J	1.8	< 0.80	8	< 1.0	< 0.80
B-40M	7007574	4/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.6 J	2.6	< 0.80	1.6 J	< 1.0	< 0.80
B-41M	7007575	4/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	6.8	6.8	< 0.80	< 1.0	< 1.0	< 0.80
B-42M	7011181	4/4/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.3 J	11	12.3	< 0.80	7.7	< 1.0	< 0.80
B-43M	7011178	4/4/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	9.5	9.5	< 0.80	15	< 1.0	< 0.80
B-44M	7011177	4/4/2013	< 1.0	< 0.80	6.6	< 0.80	< 2.0	< 0.80	26	26	< 0.80	46	4.7 J	< 0.80
B-48M	7010222	4/3/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	1.8 J	< 1.0	< 0.80
B-49M	7010223	4/3/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80
B-56M	7015029	4/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	0.97 J	27	27.97	< 0.80	110	< 1.0	< 0.80
B-57M	7015030	4/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80
Quarry	7016205	4/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80
T-002	7015034	4/8/2013	< 1.0	< 0.80	46	< 0.80	< 2.0	1.4 J	300	301.4	5.3	780	30	3.9 J

**TABLE 5**  
**NATURAL ATTENUATION ANALYTICAL RESULT SUMMARY**  
**APRIL 2013 QUARTERLY SAMPLING EVENT**  
**FORMER CARBORUNDUM COMPANY**  
**WHEATFIELD, NEW YORK**

Compound	UNITS	B- 8M	B-10M	B-13M	B-17M	B-19M	B-22M	B-23M	B-39M	B-40M	B-41M	B-42M	B-43M	B-44M
BIOCHEMICAL OXYGEN DEMAND (BOD)	mg/l	< 4.9	< 3.8	< 5.1	< 2.9	< 4.4	< 4.1	< 5.5	< 3.9	< 4.0	< 3.9	< 3.2	< 3.7	10.2
CHLORIDE (AS CL)	mg/l	251	65.7	42.3	79.7	75.1	143	95.8	64.3	47.2	60.2	91.4	62.9	73.9
COD - CHEMICAL OXYGEN DEMAND	mg/l	37.3 J	14.5 J	< 12.8	30.4 J	< 12.8	< 12.8	< 12.8	14.5 J	< 12.8	< 12.8	< 12.8	< 12.8	32.7 J
DISSOLVED ORGANIC CARBON	mg/l	2.3	0.91 J	1.9	4.7	2.1	2.2	2.3	1.9	1.6	1.2	1.8	1.0	0.81 J
IRON	mg/l	0.573	0.567	0.286	6.89	0.0388 J	< 0.0141	0.909	0.0763 J	0.971	0.399	< 0.0141	< 0.0141	0.0708 J
MANGANESE	mg/l	0.122	0.0060	0.0336	0.136	0.0210	0.0021 J	0.0276	0.0095	0.0203	0.0144	0.0105	0.0113	0.0080
NITROGEN, NITRATE (AS N)	mg/l	< 0.25	0.74	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	1.3	0.30 J	< 0.25	0.86	< 0.25	< 0.25
NITROGEN, NITRITE	mg/l	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SULFATE (AS SO4)	mg/l	135	98.7	1540	241	626	311	332	195	308	201	104	517	1650

**TABLE 6**  
**SECOND QUARTER 2013**  
**GROUNDWATER REMEDIAL SYSTEM PERFORMANCE SUMMARY**  
**FORMER CARBORUNDUM FACILITY**  
**SANBORN, NEW YORK**

Well	Category	Units	April 2013	May 2013	June 2013
		Days	30	31	30
P-2	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.56	0.56	0.71
	Total Flow	(gal)	51,003	30,092	48,023
	VOC Concentration	(ppb)	6,966	6,966	6,966
	Total Contaminant Removed	(lbs)	3.0	1.7	2.8
	% of Total Flow		3.09%	1.85%	3.01%
P-3	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.01	0.01	0.01
	Total Flow	(gal)	615	542	637
	VOC Concentration	(ppb)	33	33	33
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0
	% of Total Flow		0.04%	0.03%	0.04%
P-4	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.71	0.48	0.72
	Total Flow	(gal)	48,446	47,754	51,705
	VOC Concentration	(ppb)	2,441	2,441	2,441
	Total Contaminant Removed	(lbs)	1.0	1.0	1.1
	% of Total Flow		2.94%	2.93%	3.24%
PW-1	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	17.29	17.15	16.26
	Total Flow	(gal)	1,402,302	1,450,932	1,340,626
	VOC Concentration	(ppb)	841	841	841
	Total Contaminant Removed	(lbs)	9.8	10.2	9.4
	% of Total Flow		85.00%	89.15%	83.95%
PW-3	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	1.29	1.04	1.50
	Total Flow	(gal)	95,517	76,671	110,794
	VOC Concentration	(ppb)	691	691	691
	Total Contaminant Removed	(lbs)	0.6	0.4	0.6
	% of Total Flow		5.79%	4.71%	6.94%
PW-4	Uptime	(%)	0%	0%	0%
	Average Flow	(gpm)	0.00	0.00	0.00
	Total Flow	(gal)	0	0	0
	VOC Concentration	(ppb)	45	45	45
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0
	% of Total Flow		0.00%	0.00%	0.00%
Vaults	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	1.20	0.48	1.04
	Total Flow	(gal)	51,791	21,497	45,096
	VOC Concentration	(ppb)	1,115	1,115	1,115
	Total Contaminant Removed	(lbs)	0.5	0.2	0.4
	% of Total Flow		3.14%	1.32%	2.82%
GRS Total	Uptime	(%)	83%	83%	83%
	Average Flow	(gpm)	12.51	11.73	11.80
	Total Flow-Mechanical Effluent Meter	(gal)	996,867	968,615	971,672
	VOCs to Influent	(ppm)	832	306	685
	Total Contaminant Removed	(lbs)	6.9	2.5	5.6

- Notes:
1. For the period of 4/01/13 to 6/30/13.
  2. Uptime estimated and reflects potential uptime.
  3. Flow rates are estimated throughout the period due to meter malfunctions.
  4. Total contaminant removed from each well is calculated using the flow meter at the well head.
  5. VOC Concentration (in a given well) equals the sum of cis-1,2-DCE, trans-1,2-DCE, TCE, and PCE.
  6. GRS total contaminant removed is based on the percentage of flow through the effluent meter
  7. Total flow measured at the well heads may differ from total flow through the effluent meter.

**APPENDIX A**

**MONITORING WELL SAMPLING FIELD FORMS**



**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 SP, Sanborn, NY

Monitoring Well I.D.: B-6      Date: 4/8/13      Time Started: 1210      Field Personnel: RC Becken  
 Weather Conditions: sunny clear  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 19.15      Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 6.25      Conversion Factor (gal/lineal ft)      1.25" = 0.08      2" = 0.17      3" = 0.38  
 Calculated Water Column Height (ft) 12.9      (Circle One)      4" = 0.66      6" = 1.50      8" = 2.60  
 One Well Volume (gals.) 2.19      Five Well Volumes (gals.) 10.96  
 Notes:

**Well Conditions**

Well Riser Type (Circle one):      Stainless Steel      Carbon Steel      PVC  
 Casing Condition:      OK      Repair Required:  
 Cap Condition:      OK      Repair Required:  
 Paint Condition:      OK      Repair Required:  
 Lock Condition:      OK      Repair Required:  
 Inner Casing Condition:      OK      Repair Required:  
 Surface Seal Condition:      OK      Repair Required:  
 Other:

**Purge Information**

Purging Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)  
    Teflon Bailor      Polyethylene Bailor      Other:  

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.19</u>	<u>~2</u>	<u>49.6</u>	<u>1.51</u>	<u>1000+</u>	
	<u>~4</u>	<u>49.1</u>	<u>1.16</u>	<u>621</u>	
	<u>~6</u>	<u>49.7</u>	<u>1.00</u>	<u>633</u>	
	<u>~8</u>	<u>49.6</u>	<u>0.99</u>	<u>617</u>	

Comments: Amount purged 11 gal

**Sampling Information**

Date: 4/8/13      Time Sampled: 1240      Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 17.65  
 Sampling Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)  
    Teflon Bailor      Polyethylene Bailor      Other:  

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-6</u>	<u>50.1</u>	<u>7.48</u>	<u>0.94</u>	<u>333</u>	

QA/QC Samples Taken:  
 Comments:

**Signature**

Sampler (Print): Richard C. Becken      Sampler (signature): [Signature]      Date: 4/8/13



**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-9 Date: 4/8/13 Time Started: 1405 Field Personnel: RC Becken

Weather Conditions:

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>21.16</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>8.42</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>12.74</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.2</u>	Five Well Volumes (gals.) <u>10.8</u>

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required:
Paint Condition:	<u>OK</u>	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Polyethylene Bailor Sample Port (Pumping Wells Only)

Teflon Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.2</u>	<u>~2.2</u>	<u>49.4</u>	<u>0.51</u>	<u>45</u>	
	<u>~4.4</u>	<u>47.9</u>	<u>0.48</u>	<u>61.6</u>	
	<u>~6.6</u>	<u>46.3</u>	<u>0.50</u>	<u>61.9</u>	
	<u>~8.8</u>	<u>46.2</u>	<u>0.53</u>	<u>73.6</u>	

Comments: Amount purged

**Sampling Information**

Date: 4/8/13 Time Sampled: 1430 Field Personnel: R C Becken

Measured Water Level (TOR ft): 10.64

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Polyethylene Bailor Sample Port (Pumping Wells Only)

Teflon Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-9</u>	<u>46.7</u>	<u>7.04</u>	<u>0.55</u>	<u>46.3</u>	

QA/QC Samples Taken: ~~Field Dup #1~~ Field Dup #3

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 4/8/13

**BP, Sanborn, NY**

**Field Personnel RCB**

Time Ended. 0955

### Comments

## Initial Readings

One Well Volume (gal.) 5.03

## Notes

## Well Condition

Other: ☐ OK ☐ Repair Required

## Purge Information

Flow Rate (mL per minute) -120 mL/min

## Comments.

### Sampling Information

Field Personnel:	R C Becken
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Measured Water Level (TOR ft) 10.95

### Teflon Bailers

45	8.45	6.74	1.39	2.13	39	10.35	10.1	
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## QA/QC Samples Taken

Comments:  $\text{M/K} = \text{unity as } \text{CaCO}_3 = 240 \text{ mg/L}$  — Ferrous iron = 0.2 mg/L

## Signature

Date. 4/2/13





Monitoring Well ID <b>B-11</b>		Date <b>4/4/13</b>		Time Started: <b>08:55</b>		Field Personnel: <b>RCB</b>	
Weather Conditions: <b>Sunny cool</b>				Time Ended: <b>0935</b>			
Comments:							
<b>Initial Readings</b>							
Measured Well Bottom (TOR-ft) <b>20.6</b>				Riser Pipe Diameter (in.) <b>2</b>			
Measured Water Level (TOR-ft) <b>15.11</b>				One Well Volume (gal.)			
Notes							
<b>Well Condition</b>							
Well Riser Type	Stainless Steel		Carbon Steel		PVC		
Casing Condition:	OK		Repair Required:				
Cap Condition:	OK		Repair Required:				
Paint Condition:	OK		Repair Required:				
Lock Condition:	OK		Repair Required:				
Inner Casing Condition:	OK		Repair Required:				
Surface Seal Condition:	OK		Repair Required:				
Other:	OK		Repair Required:				
<b>Purge Information</b>							
Purging Method:	Stainless Steel Bailor		Peristaltic Pump <b>X</b>		Grundfos Pump		Teflon Bailor
Place an X in one box	Polyethylene Bailor		Bladder Pump		Other		
Amount Purged: <b>~1.75 gal</b>				Flow Rate (mL per minute) <b>~110 mL/min</b>			
Water Level after Purging (TOR ft) <b>15.25</b>							
Comments:							
<b>Sampling Information</b>							
Date <b>4/4/13</b>		Time Sampled <b>0925</b>			Field Personnel: <b>R C Becken</b>		
Measured Water Level (TOR ft) <b>15.25</b>							
Sampling Method		Stainless Steel Bailor		Peristaltic Pump <b>X</b>		Grundfos Pump	
place an X in box		Polyethylene Bailor		Bladder Pump		Other	
Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity
							Flow Rate
<b>8:10</b>	<b>16.10</b>	<b>6.96</b>	<b>1.69</b>	<b>4.51</b>	<b>-231</b>	<b>15.25</b>	<b>29.5</b>
<b>15</b>	<b>12.76</b>	<b>7.08</b>	<b>1.20</b>	<b>6.16</b>	<b>-210</b>	<b>15.25</b>	<b>23.6</b>
<b>20</b>	<b>13.93</b>	<b>7.12</b>	<b>1.05</b>	<b>5.85</b>	<b>-202</b>	<b>15.25</b>	<b>21.3</b>
<b>25</b>	<b>13.89</b>	<b>7.13</b>	<b>1.02</b>	<b>5.94</b>	<b>-196</b>	<b>15.25</b>	<b>22.3</b>
<b>30</b>	<b>13.74</b>	<b>7.13</b>	<b>1.01</b>	<b>5.60</b>	<b>-195</b>	<b>15.25</b>	<b>12.0</b>
<b>35</b>	<b>13.47</b>	<b>7.15</b>	<b>0.979</b>	<b>5.60</b>	<b>-193</b>	<b>15.25</b>	<b>12.6</b>
<b>40</b>	<b>13.35</b>	<b>7.15</b>	<b>0.979</b>	<b>5.60</b>	<b>-194</b>	<b>15.25</b>	<b>12.2</b>
<b>45</b>	<b>13.27</b>	<b>7.16</b>	<b>0.979</b>	<b>5.55</b>	<b>-192</b>	<b>15.25</b>	<b>11.9</b>
<b>50</b>	<b>13.21</b>	<b>7.16</b>	<b>0.979</b>	<b>5.61</b>	<b>-193</b>	<b>15.25</b>	<b>12.3</b>
<b>55</b>	<b>13.20</b>	<b>7.15</b>	<b>0.979</b>	<b>5.59</b>	<b>-194</b>	<b>15.25</b>	<b>11.8</b>
QA/QC Samples Taken							
Comments: <b>Alkalinity as CaCO<sub>3</sub> = 220 mg/L Ferron X Iron = 2.0 mg/L</b>							
Signature							
Sampler (Print)				Sampler (signature):			
<b>Richard C. Becken</b>				<b>R C Becken</b>			
Date: <b>4/4/13</b>							

Monitoring Well ID: B-19		Date: 4/3/13		Time Started: 0745		Field Personnel: RCB	
Weather Conditions: Sunny cold				Time Ended:			
Comments:							
Initial Readings							
Measured Well Bottom (TOR-ft) 26.11				Riser Pipe Diameter (in.) 2			
Measured Water Level (TOR-ft) 17.87				One Well Volume (gal.) 1.4			
Notes:							
Well Condition							
Well Riser Type		Stainless Steel <input checked="" type="checkbox"/>		Carbon Steel		PVC	
Casing Condition:		OK		Repair Required:			
Cap Condition:		OK		Repair Required:			
Paint Condition:		OK		Repair Required:			
Lock Condition:		OK		Repair Required:			
Inner Casing Condition:		OK		Repair Required:			
Surface Seal Condition:		OK		Repair Required:			
Other:		OK		Repair Required:			
Purge Information							
Purging Method:		Stainless Steel Bailor		Peristaltic Pump <input checked="" type="checkbox"/>		Grundfos Pump	
Place an X in one box		Polyethylene Bailor		Bladder Pump		Other:	
Amount Purged: ~ 2.3 gal				Flow Rate (mL per minute) ~ 120 mL/min			
Water Level after Purging (TOR ft) 18.03							
Comments:							
Sampling Information							
Date: 4/3/13		Time Sampled: 1105		Field Personnel:		RC Becken	
Measured Water Level (TOR ft) 18.03							
Sampling Method		Stainless Steel Bailor		Peristaltic Pump <input checked="" type="checkbox"/>		Grundfos Pump	
place an X in box		Polyethylene Bailor		Bladder Pump		Other:	
Time	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity
Elapsed min							Flow Rate
5	8.13	7.53	1.12	4.93	48	18.01	1.65 ~ 120 mL/min
10	8.32	7.55	1.17	4.70	66	18.01	2.32
15	6.92	7.56	1.17	4.60	83	18.01	1.5
20	6.83	7.56	1.18	4.37	89	18.02	1.46
25	7.51	7.56	1.17	4.30	91	18.02	1.35
30	7.19	7.58	1.17	4.50	95	18.02	0.78
35	6.77	7.53	1.17	4.50	98	18.02	1.1
40	7.58	7.57	1.18	4.50	99	18.02	0.83
45	7.14	7.59	1.18	4.50	101	18.03	1.0
50	7.31	7.57	1.18	4.50	102	18.03	0.75
QA/QC Samples Taken							
Comments: Alkalinity as CaCO <sub>3</sub> = 180 mg/L Ferrous Iron = 0 mg/L							
Signature							
Sampler (Print)		Sampler (signature):					
Richard C. Becken		Richard C. Becken					
Date: 4/3/13							

**OSM Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-21 Date: 4/9/13 Time Started: 0950 Field Personnel: RC Becken  
 Weather Conditions: overcast cool  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 26.6 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 9.64 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 16.96 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.88 FiveWell Volumes (gals.) 14.4

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required:  
 Cap Condition: OK Repair Required:  
 Paint Condition: OK Repair Required:  
 Lock Condition: OK Repair Required:  
 Inner Casing Condition: OK Repair Required:  
 Surface Seal Condition: OK Repair Required:  
 Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:  

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.88</u>	<u>3</u>	<u>52.2</u>	<u>1.15</u>	<u>422</u>	
	<u>6</u>	<u>52.0</u>	<u>1.15</u>	<u>633</u>	
	<u>9</u>	<u>52.0</u>	<u>1.13</u>	<u>558</u>	
	<u>12</u>	<u>52.1</u>	<u>1.13</u>	<u>1000+</u>	

Comments: Amount purged 15 gal

**Sampling Information**

Date: 4/9/13 Time Sampled: 1030 Field Personnel: R C Becken  
 Measured Water Level (TOR ft): 11.3  
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:  

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-21</u>	<u>52.8</u>	<u>6.75</u>	<u>1.15</u>	<u>16</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 4/9/13



BP, Sanborn, NY

**Field Personnel RCB**

## Time Ended.

## Initial Readings

Riser Pipe Diameter (in.) 2

One Well Volume (gal) 1.01

## Welt Condition

Well Riser Type	Stainless Steel	Carbon Steel	PVC
Casing Condition	OK	Repair Required	
Cap Condition	OK	Repair Required	
Paint Condition	OK	Repair Required	
Lock Condition	OK	Repair Required	
Inner Casing Condition	OK	Repair Required	
Surface Seal Condition	OK	Repair Required	
Other	OK	Repair Required	

### Purge Information

Purging Method:	Stainless Steel Bailor	Percutaneous Pump <input checked="" type="checkbox"/>	Gravimetric Pump	Teflon Bailor
Place an X in one box	Polyethylene Bailor	Snapper Pump	Other	
Amount Purged: ~ 1.75		Flow Rate (mL per minute): ~ 100 mL/min		

Amount Purged: ~ 1.75 Flow Rate (mL per minute) ~ 100 mL/min  
Water Level after Purging (TOR ft) 25.66

### Sampling Information

Date	4/9/13	Time Sampled	<del>1115</del> 1300	Field Personnel	R C Becken
------	--------	--------------	----------------------	-----------------	------------

Measured Water Level (TOR ft) 25.66

Sampling Method place an X in box	Stainless Steel Barrel	Peristaltic Pump	Handline Pump	Other
	Polyethylene Barrel	Bladder Pump	Other	

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
---------------------	-------------	----	--------------	---------------------	-------	----------------	-----------	-----------

5	13.34	7.18	1.21	1.4	-21	25.65	19.0	2/100 ml/mm
10	13.17	7.21	1.21	0.44	-24	25.66	17.0	
15	13.17	7.23	1.21	0.56	-27	25.66	17.7	
20	13.20	7.24	1.21	0.42	-28	25.66	14.7	
25	13.30	7.25	1.20	0.23	-31	25.66	12.1	
30	13.35	7.25	1.20	0.22	-32	25.66	11.6	
35	13.30	7.26	1.20	0.21	-32	25.66	10.1	
40	13.28	7.25	1.20	0.21	-32	25.66	9.3	
45	13.30	7.26	1.20	0.20	-35	25.66	9.0	
50	13.31	7.26	1.20	0.21	-34	25.66	8.8	
55	13.32	7.27	1.20	0.21	-35	25.66	7.59	

Comments Alkalinity as CaCO<sub>3</sub> = 260 mg/L Ferrous Iron = 1.0 mg/L  
MS + MSB Signature \_\_\_\_\_

Sampler (Print)	Sampler (signature)
-----------------	---------------------

Date. 4/9/13



**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Saratoga, NY

Monitoring Well I.D.: B-24 Date: 4/8/13 Time Started: 1000 Field Personnel: RC Becken  
 Weather Conditions: sunny cool  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 26.65 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 11.68 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 14.97 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.54 FiveWell Volumes (gals.) 12.7

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required:  
 Cap Condition: OK Repair Required:  
 Paint Condition: OK Repair Required:  
 Lock Condition: OK Repair Required:  
 Inner Casing Condition: OK Repair Required:  
 Surface Seal Condition: OK Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.54</u>	<u>~2.5</u>	<u>48.3</u>	<u>1.01</u>	<u>39.8</u>	
	<u>~5</u>	<u>48.0</u>	<u>1.00</u>	<u>57.0</u>	
	<u>~7.5</u>	<u>48.4</u>	<u>1.00</u>	<u>44.7</u>	
	<u>~10</u>	<u>48.5</u>	<u>1.00</u>	<u>52.2</u>	

Comments: Amount purged 13 gal

**Sampling Information**

Date: 4/8/13 Time Sampled: 1030 Field Personnel: R C Becken

Measured Water Level (TOR ft): 12.01

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-24</u>	<u>49.5</u>	<u>6.75</u>	<u>1.16</u>	<u>26.9</u>	

QA/QC Samples Taken: MS + MSD

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 4/8/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-28 Date: 4/9/13 Time Started: 1035 Field Personnel: RC Becken

Weather Conditions:

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>34.58</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>27.19</u>	Conversion Factor (gal/lineal ft) <u>28.67</u> 1.25" = 0.08 3" = 0.38
Calculated Water Column Height (ft) <u>7.39</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.26</u>	FiveWell Volumes (gals.) <u>6.28</u>

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required:
Paint Condition:	<u>OK</u>	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.26</u>	<u>~1.25</u>	<u>54.8</u>	<u>1.09</u>	<u>1000+</u>	
	<u>~2.5</u>	<u>53.9</u>	<u>1.11</u>	<u>901</u>	
	<u>~3.75</u>	<u>53.0</u>	<u>1.10</u>	<u>431</u>	
	<u>~5.0</u>				

Comments: Amount purged 7 gal

**Sampling Information**

Date: 4/9/13 Time Sampled: 1105 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 28.2

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-28</u>	<u>52.8</u>	<u>7.25</u>	<u>1.12</u>	<u>259</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 4/9/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-38 Date: 4/9/13 Time Started: 0850 Field Personnel: RC Becken

Weather Conditions: overcast cool

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>41.23</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>27.76</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>13.47</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.29</u>	Five Well Volumes (gals.) <u>11.45</u>

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required:
Paint Condition:	<u>OK</u>	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailer Polyethylene Bailer Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>2.29</u>	<u>2.3</u>	<u>52.1</u>	<u>1.20</u>	<u>84.3</u>	
	<u>~4.6</u>	<u>51.5</u>	<u>1.24</u>	<u>97.5</u>	
	<u>~6.9</u>	<u>51.4</u>	<u>1.17</u>	<u>74.6</u>	
	<u>~9.2</u>	<u>51.3</u>	<u>1.13</u>	<u>154</u>	

Comments: Amount purged 12 gal

**Sampling Information**

Date: 4/9/13 Time Sampled: 0935 Field Personnel: R C Becken

Measured Water Level (TOR ft): 28.11

Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailer Polyethylene Bailer Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-38</u>	<u>51.0</u>	<u>6.95</u>	<u>1.10</u>	<u>39.3</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 4/9/13



Monitoring Well ID						B-39	Date	4/2/13	Time Started:		1300	Field Personnel:							RCB						
Weather Conditions								sun, clouds, cold												Time Ended				1410	
Comments:																									
											Initial Readings														
Measured Well Bottom (TOR-ft)								44.0						Riser Pipe Diameter (in.)								2			
Measured Water Level (TOR-ft)								12.21						One Well Volume (gal.)								"			
Notes																									
Well Condition																									
Well Riser Type				Stainless Steel X				Carbon Steel				PVC													
Casing Condition:				OK								Repair Required.													
Cap Condition				OK								Repair Required.													
Paint Condition:				OK								Repair Required.													
Lock Condition				OK								Repair Required.													
Inner Casing Condition:				OK								Repair Required.													
Surface Seal Condition				OK								Repair Required:													
Other				OK								Repair Required:													
											Purge Information														
Purging Method:				Stainless Steel Bailor				Peristaltic Pump X				Grundfos Pump				Teflon Bailor									
Place an X in one box				Polyethylene Bailor				Bladder Pump				Other:													
Amount Purged:				2 gal								Flow Rate (mL per minute)													
Water Level after Purging (TOR ft )				12.2																					
Comments:																									
											Sampling Information														
Date				4/2/13				Time Sampled				1400				Field Personnel:				RC Becken					
Measured Water Level (TOR ft)				12.2																					
Sampling Method place an X in box				Stainless Steel Bailor				Peristaltic Pump X				Grundfos Pump				Teflon Bailor									
place an X in box				Polyethylene Bailor				Bladder Pump				Other													
Time Elapsed min		Temperature		pH	Conductivity		Dissolved Oxygen		Redox		Water Level		Turbidity		Flow Rate										
5		7.97		7.50	0.747		5.80		-16		12.2		23.7		~130 mL/min										
10		8.2		7.36	0.788		3.57		34		12.2		18.5												
15		7.90		7.11	0.900		0.89		46		12.2		12.2												
20		7.63		6.97	0.918		0.06		47		12.2		7.34												
25		7.43		6.95	0.903		0.0		46		12.2		6.9												
30		8.3		6.95	0.902		0.0		52		12.2		5.65												
35		8.35		6.95	0.902		0.0		63		12.2		5.46												
40		8.30		6.95	0.903		0.0		66		12.2		3.0												
45		8.87		6.95	0.903		0.0		72		12.2		4.1												
QA/QC Samples Taken																									
Comments Alkalinity as CaCO <sub>3</sub> = 180 mg/L Ferric Iron? 0 mg/l Signature Richard C Becken Date 4/2/13																									
Sampler (Print) Richard C Becken											Sampler (signature) 														
Richard C Becken											Date 4/2/13														

**LOW-FLOW SAMPLING FIELD FORM**  
**O&M ENTERPRISES, Inc.**  
 BP, Sanborn, NY

Monitoring Well ID: B-40 Date: 4/2/13 Time Started: 1125 Field Personnel: RCB

Weather Conditions: sun, clouds, cool Time Ended: 1250

Comments:

**Initial Readings**

Measured Well Bottom (TOR-ft) 57.9 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 13.2 One Well Volume (gal.)

Notes

**Well Condition**

Well Riser Type	<input checked="" type="checkbox"/> Stainless Steel	<input type="checkbox"/> Carbon Steel	<input type="checkbox"/> PVC
Casing Condition	<input checked="" type="checkbox"/> OK	Repair Required:	
Cap Condition	<input checked="" type="checkbox"/> OK	Repair Required:	
Paint Condition	<input checked="" type="checkbox"/> OK	Repair Required:	
Lock Condition	<input checked="" type="checkbox"/> OK	Repair Required:	
Inner Casing Condition	<input checked="" type="checkbox"/> OK	Repair Required:	
Surface Seal Condition	<input checked="" type="checkbox"/> OK	Repair Required:	
Other	<input checked="" type="checkbox"/> OK	Repair Required:	

**Purge Information**

Purging Method: ☒ Stainless Steel Bailor ☒ Peristaltic Pump ☐ Grundfos Pump ☐ Teflon Bailor  
 Place an X in one box ☐ Polyethylene Bailor ☐ Bladder Pump ☐ Other  
 Amount Purged: ~2.25 gal Flow Rate (mL per minute) ~135 mL/min  
 Water Level after Purging (TOR ft) 13.2

Comments:

**Sampling Information**

Date: 4/2/13 Time Sampled: 1245 Field Personnel: RC Becken

Measured Water Level (TOR ft) 13.2

Sampling Method: ☒ Stainless Steel Bailor ☒ Peristaltic Pump ☐ Grundfos Pump ☐ Teflon Bailor  
 place an X in box ☐ Polyethylene Bailor ☐ Bladder Pump ☐ Other

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	7.34	7.4	1.20	17.76	89	13.2	11.1	~135 mL/min
10	7.46	7.45	1.20	16.37	79	13.2	9.3	
15	7.34	7.45	1.20	4.83	75	13.2	10.6	
20	7.20	7.48	1.20	4.64	80	13.2	5.1	
25	7.39	7.47	1.22	4.79	70	13.2	7.5	
30	7.42	7.47	1.22	4.67	66	13.2	8.0	
35	7.90	7.44	1.22	4.26	59	13.2	8.3	
40	7.90	7.31	1.46	2.87	25	13.2	10.5	
45	8.07	7.06	2.0	0.24	-55	13.2	11.7	
50	7.81	6.75	2.01	0.0	-169	13.2	10.9	
55	7.82	6.75	2.01	0.0	-179	13.2	9.8	
60	7.89	6.76	2.01	0.0	-178	13.2	10.2	
65	7.90	6.77	2.01	0.0	-180	13.2	10.1	

QA/QC Samples Taken:

Comments: Alkalinity as CaCO<sub>3</sub> = 180 mg/L Ferrous Iron = 0 mg/L

**Signature**

Sampler (Print) Sampler (signature)

Richard C. Becken

*Richard C. Becken*

Date: 4/2/13





**BP, Sanborn, NY**

**Field Personnel** **RCB**

Time Ended. 1045

## Comments

## Initial Readings

Riser Pipe Diameter (in.) 2

One Well Volume (gal.)

## Notes

## Well Condition

Well Riser Type	Stainless Steel	Carbon Steel	PVC
Casing Condition:	OK	Repair Required	
Cap Condition:	OK	Repair Required	
Paint Condition:	OK	Repair Required	
Lock Condition:	OK	Repair Required	
Inner Casing Condition:	OK	Repair Required	
Surface Seal Condition:	OK	Repair Required	
Other:	OK	Repair Required	

## Purge Information

Purging Method:	Stainless Steel Bailor	Pentastatic Pump <input checked="" type="checkbox"/>	Grundfos Pump	Teflon Bailor
Place an X in one box	Polyethylene Bailor	Brodder Pump	Other	
Amount Purged:	~3 gal			
	Flow Rate (ml. per minute) ~130 ml/min			

Water Level after Purging (TOR ft) 10.31

### Comments.

### Sampling Information

Field Personnel: R C Becken

Measured Water Level (TOR ft) 10.3

Sampling Method place an X in box	Stainless Steel Bailor	Peristaltic Pump	<input checked="" type="checkbox"/>	Grundfos Pump	Teflon Bailor
	Polystyrene Bailor	Bladder Pump		Other	

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.06	7.28	0.765	0.0	-75	10.31	22.6	~130 ml/min
10	10.30	7.31	0.767	0.0	-88	10.31	19.0	
15	10.51	7.22	0.759	0.0	-96	10.31	12.4	
20	10.62	7.28	0.757	0.0	-98	10.31	9.53	
25	10.78	7.25	0.753	0.0	-101	10.31	8.50	
30	11.2	7.24	0.753	0.0	-100	10.31	8.25	
35	11.3	7.26	0.753	0.0	-101	10.31	8.14	
40	11.32	7.27	0.753	0.0	-101	10.31	7.91	
45	11.5	7.26	0.754	0.0	-102	10.31	7.74	
50	11.6	7.28	0.754	0.0	-103	10.31	7.3	

QA/QC Samples Taken Field Dye #2

Comments Alkalinity as  $\text{CaCO}_3$  3180 mg/L Ferrous Iron 0 mg/L

**Signature**

Sampler (Print)	Sampler (signature)
-----------------	---------------------

Richard C. Becken

**Sampler (signature)**

Richard Boh

Date. 4/4/13



**LOW-FLOW SAMPLING FIELD FORM**  
**O&M ENTERPRISES, Inc.**  
 BP, Sanborn, NY

Monitoring Well ID: B-44 Date: 4/4/13 Time Started: 0940 Field Personnel: RCB

Weather Conditions:  Sunny cool Time Ended: 1055

Comments:

**Initial Readings**

Measured Well Bottom (TOR-ft) 80.45 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 15.08 One Well Volume (gal.)

Notes:

**Well Condition**

Well Riser Type	Stainless Steel	Carbon Steel	PVC
Casing Condition:	<u>OK</u>	Repair Required:	
Cap Condition:	<u>OK</u>	Repair Required:	
Paint Condition:	<u>OK</u>	Repair Required:	
Lock Condition:	<u>OK</u>	Repair Required:	
Inner Casing Condition:	<u>OK</u>	Repair Required:	
Surface Seal Condition:	<u>OK</u>	Repair Required:	
Other:	<u>OK</u>	Repair Required:	

**Purge Information**

Purging Method: Stainless Steel Bailor Peristaltic Pump Grundfos Pump Teflon Bailor  
 Place an X in one box: Polyethylene Bailor Bladder Pump Other  
 Amount Purged: -1.5 Flow Rate (mL per minute): ~90 mL/min

Water Level after Purging (TOR ft) 15.62

Comments:

**Sampling Information**

Date: 4/4/13 Time Sampled: 1040 Field Personnel: R.C. Becken

Measured Water Level (TOR ft) 15.62

Sampling Method: Stainless Steel Bailor Peristaltic Pump Grundfos Pump Teflon Bailor  
 place an X in box: Polyethylene Bailor Bladder Pump Other

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	13.18	7.52	2.46	0.0	-302	15.5	38.3	<u>~90 mL/min</u>
10	13.06	7.56	2.47	0.0	-318	15.5	19.1	
15	13.19	7.53	2.49	0.0	-319	15.5	16.6	
20	13.14	7.54	2.49	0.0	-320	15.5	15.7	
25	13.18	7.56	2.50	0.0	-322	15.5	14.4	
30	13.04	7.54	2.51	0.0	-326	15.6	13.3	
35	12.95	7.57	2.51	0.0	-329	15.6	14.2	
40	12.78	7.58	2.51	0.0	-329	15.62	12.6	

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate

QA/QC Samples Taken:

Comments: Alkalinity as CaCO<sub>3</sub> = 180 mg/L Fe, Mn = 0 mg/L

**Signature**

Sampler (Print)

Sampler (signature):

Richard C. Becken

Richard C Becken

Date: 4/4/13

[illegible]

**LOW-FLOW SAMPLING FIELD FORM**  
**O&M ENTERPRISES, Inc.**  
 BP, Sanborn, NY

Monitoring Well ID: B-49 Date: 4/3/13 Time Started: 12:00 Field Personnel: RCB

Weather Conditions: cloudy Time Ended: 13:20

Comments:

**Initial Readings**

Measured Well Bottom (TOR-ft): 82.45 Riser Pipe Diameter (in.): 2

Measured Water Level (TOR-ft): 23.24 One Well Volume (gal.):

Notes:

**Well Condition**

Well Riser Type	Stainless Steel	Carbon Steel	PVC
Casing Condition:	OK	Repair Required:	
Cap Condition:	OK	Repair Required:	
Paint Condition:	OK	Repair Required:	
Lock Condition:	OK	Repair Required:	
Inner Casing Condition:	OK	Repair Required:	
Surface Seal Condition:	OK	Repair Required:	
Other:	OK	Repair Required:	

**Purge Information**

Purging Method: ☒ Stainless Steel Bailor ☒ Peristaltic Pump ☐ Grundfos Pump ☐ Teflon Bailor  
 Place an X in one box: ☒ Polyethylene Bailor ☐ Bladder Pump ☐ Other  
 Amount Purged: ~2 gal Flow Rate (mL per minute): ~120 mL/min  
 Water Level after Purging (TOR ft): 23.26

Comments:

**Sampling Information**

Date: 4/3/13 Time Sampled: 13:25 Field Personnel: R C Becken

Measured Water Level (TOR ft): 23.26

Sampling Method: ☒ Stainless Steel Bailor ☒ Peristaltic Pump ☐ Grundfos Pump ☐ Teflon Bailor  
 Place an X in box: ☒ Polyethylene Bailor ☐ Bladder Pump ☐ Other

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	7.07	7.00	2.26	0.0	-277	23.26	4.05	~120 mL/min
10	7.10	7.01	2.48	0.0	-294	23.26	2.45	
15	8.08	6.98	2.58	0.0	-305	23.26	2.0	
20	8.06	6.99	2.66	0.0	-313	23.26	1.99	
25	7.39	6.98	2.70	0.0	-315	23.26	2.1	
30	7.12	7.02	2.75	0.0	-316	23.26	2.49	
35	7.51	7.03	2.76	0.0	-316	23.26	2.2	
40	7.61	7.00	2.76	0.0	-318	23.26	2.18	
45	7.21	6.99	2.76	0.0	-319	23.26	1.9	
50	7.30	7.01	2.76	0.0	-319	23.26	2.0	

QA/QC Samples Taken:

Comments: Alkalinity as CaCO<sub>3</sub> = 162 mg/L Ferric Iron = 0 mg/L

**Signature**

Sampler (Print):

Sampler (signature):

Richard C. Becken

*Richard C. Becken*

Date: 4/3/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-56 Date: 4/8/13 Time Started: 0705 Field Personnel: RC Becken  
 Weather Conditions: sunny cool  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) ~~37.61~~ 39.61 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 22.75 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 16.86 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.9 FiveWell Volumes (gals.) 14.3

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required:  
 Cap Condition: OK Repair Required:  
 Paint Condition: OK Repair Required:  
 Lock Condition: OK Repair Required:  
 Inner Casing Condition: OK Repair Required:  
 Surface Seal Condition: OK Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.9</u>	<u>~3</u>	<u>50.5</u>	<u>1.64</u>	<u>412</u>	
	<u>~6</u>	<u>50.4</u>	<u>1.03</u>	<u>71.6</u>	
	<u>~9</u>	<u>50.5</u>	<u>0.85</u>	<u>17.1</u>	
	<u>~12</u>	<u>50.7</u>	<u>0.80</u>	<u>7.95</u>	

Comments: Amount purged 14.5

**Sampling Information**

Date: 4/8/13 Time Sampled: 0745 Field Personnel: R C Becken

Measured Water Level (TOR ft): 23.03

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-56</u>	<u>50.2</u>	<u>6.97</u>	<u>1.19</u>	<u>124</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 4/8/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-57 Date: 4/8/13 Time Started: 0830 Field Personnel: RC Becken  
 Weather Conditions: Sunny cool  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 50.6 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 25.28 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 25.32 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 4.3 FiveWell Volumes (gals.) 21.5

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required:  
 Cap Condition: OK Repair Required:  
 Paint Condition: OK Repair Required:  
 Lock Condition: OK Repair Required:  
 Inner Casing Condition: OK Repair Required:  
 Surface Seal Condition: OK Repair Required:  
 Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>4.3</u>	<u>~4.3</u>	<u>12.67</u>	<u>2.48</u>	<u>15.6</u>	
	<u>~5.1</u>	<u>12.57</u>	<u>2.27</u>	<u>9.51</u>	<u>well dry</u>

Comments: Amount purged 5.1 gal

**Sampling Information**

Date: 4/8/13 Time Sampled: 1040 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 42.5  
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-57</u>	<u>50.4</u>	<u>7.05</u>	<u>2.13</u>	<u>14.4</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 4/8/13



**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: P-2 Date: 4/4/13 Time Started: 1400 Field Personnel: RC Becken  
 Weather Conditions: Sunny cool  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) <u>8 in.</u>			
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	<u>8" = 2.60</u>
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	OK	Repair Required:
Paint Condition:	OK	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/4/13 Time Sampled: 1400 Field Personnel: RC Becken  
 Measured Water Level (TOR ft.): 19.3

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-2</u>	<u>51.4</u>	<u>6.34</u>	<u>127</u>	<u>10.9</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 4/4/13



**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: P-3 Date: 4/3/13 Time Started: 1345 Field Personnel: RC Becken  
 Weather Conditions: cloudy cold  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	<u>8 in.</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	8" = <u>2.60</u>
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required:  
 Cap Condition: OK Repair Required:  
 Paint Condition: OK Repair Required:  
 Lock Condition: OK Repair Required:  
 Inner Casing Condition: OK Repair Required:  
 Surface Seal Condition: OK Repair Required:  
 Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/3/13 Time Sampled: 1345 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 28.57

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-3</u>	<u>48.1</u>	<u>6.69</u>	<u>1.31</u>	<u>50.8</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 4/3/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: P-4 Date: 4/3/13 Time Started: 1005 Field Personnel: RC Becken  
 Weather Conditions: sunny cool  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) <u>8 in.</u>
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
Calculated Water Column Height (ft)	(Circle One) 4" = 0.66 6" = 1.50 <u>8" = 2.00</u>
One Well Volume (gals.)	FiveWell Volumes (gals.)

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required:
Paint Condition:	<u>OK</u>	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/3/13 Time Sampled: 1005 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 26.96

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-4</u>	<u>46.5</u>	<u>6.51</u>	<u>0.98</u>	<u>1.23</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 4/3/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: PW-1 Date: 4/4/13 Time Started: 1000 Field Personnel: RC Becken

Weather Conditions: sunny cool

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	<u>8" = 2.60</u>
One Well Volume (gals.)	FiveWell Volumes (gals.)			

Notes:

**Well Conditions**

Well Riser Type (Circle one):      Stainless Steel      Carbon Steel      PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required:
Paint Condition:	<u>OK</u>	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)

Teflon Bailor      Polyethylene Bailor      Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/4/13 Time Sampled: 1000 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 18.34

Sampling Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)

Teflon Bailor      Polyethylene Bailor      Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-1</u>	<u>56.1</u>	<u>86.59</u>	<u>0.74</u>	<u>3.82</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 4/4/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: PW-3 Date: 4/02/13 Time Started: 1425 Field Personnel: RC Becken

Weather Conditions: windy cold

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	<u>6.25</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required:
Paint Condition:	<u>OK</u>	Repair Required:
Lock Condition:	<u>OK</u>	Repair Required:
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)

Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/02/13 Time Sampled: 1425 Field Personnel: R C Becken

Measured Water Level (TOR ft): 11.17

Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)

Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S U)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-3</u>	<u>45.5</u>	<u>6.22</u>	<u>1.50</u>	<u>4.72</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 4/02/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 SP, Sanborn, NY

Monitoring Well I.D.: PW-4 Date: 4/2/13 Time Started: 1415 Field Personnel: RC Becken  
 Weather Conditions: snow cold  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) Riser Pipe Diameter (in) 6.2 in.  
 Measured Water Level (TOR - ft) Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) Five Well Volumes (gals.)

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required:  
 Cap Condition: OK Repair Required:  
 Paint Condition: OK Repair Required:  
 Lock Condition: OK Repair Required:  
 Inner Casing Condition: OK Repair Required:  
 Surface Seal Condition: OK Repair Required:  
 Other:

**Purge Information**

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/2/13 Time Sampled: 1415 Field Personnel: R C Becken  
 Measured Water Level (TOR ft): 7.44  
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-4</u>	<u>48.0</u>	<u>6.21</u>	<u>0.59</u>	<u>44.6</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 4/2/13

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: Quarry Pond Date: 4/9/13 Time Started: 0830 Field Personnel: RC Becken

Weather Conditions: overcast cool

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes:

**Well Conditions**

Well Riser Type (Circle one):      Stainless Steel      Carbon Steel      PVC

Casing Condition:	OK	Repair Required:
Cap Condition:	OK	Repair Required:
Paint Condition:	OK	Repair Required:
Lock Condition:	OK	Repair Required:
Inner Casing Condition:	OK	Repair Required:
Surface Seal Condition:	OK	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)

Teflon Bailor      Polyethylene Bailor      Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/9/13 Time Sampled: 0830 Field Personnel: R C Becken

Measured Water Level (TOR ft.):

Sampling Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)

Teflon Bailor      Polyethylene Bailor      Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>Quarry Pond</u>	<u>50.3</u>	<u>6.60</u>	<u>2.12</u>	<u>2.73</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print):	<u>Richard C. Becken</u>	Sampler (signature): <u>Richard C. Becken</u>	Date: <u>4/9/13</u>
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**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: Tank #2      Date: 4/8/13      Time Started:      Field Personnel: RC Becken  
 Weather Conditions: \_\_\_\_\_  
 Comments: \_\_\_\_\_

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes: \_\_\_\_\_

**Well Conditions**

Well Riser Type (Circle one):      Stainless Steel      Carbon Steel      PVC

Casing Condition:	OK	Repair Required:
Cap Condition:	OK	Repair Required:
Paint Condition:	OK	Repair Required:
Lock Condition:	OK	Repair Required:
Inner Casing Condition:	OK	Repair Required:
Surface Seal Condition:	OK	Repair Required:

Other: \_\_\_\_\_

**Purge Information**

Purging Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)

Teflon Bailor      Polyethylene Bailor      Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged \_\_\_\_\_

**Sampling Information**

Date: 4/8/13      Time Sampled: 1445      Field Personnel: R C Becken

Measured Water Level (TOR ft): \_\_\_\_\_

Sampling Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)

Teflon Bailor      Polyethylene Bailor      Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>Tank #2</u>	<u>56.5</u>	<u>7.43</u>	<u>1.63</u>	<u>70.6</u>	

QA/QC Samples Taken: \_\_\_\_\_

Comments: \_\_\_\_\_

**Signature**

Sampler (Print): <u>Richard C. Becken</u>	Sampler (signature): <u>Richard C. Becken</u>	Date: <u>4/8/13</u>
---	---	---------------------

**O&M Enterprises, Inc.**  
**MONITORING WELL SAMPLING FIELD FORM**  
 BP, Sanborn, NY

Monitoring Well I.D.: VWCC Date: 4/3/13 Time Started: 1400 Field Personnel: RC Becken  
 Weather Conditions: cloudy cold  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes:

**Well Conditions**

Well Riser Type (Circle one):      Stainless Steel      Carbon Steel      PVC

Casing Condition:	OK	Repair Required:
Cap Condition:	OK	Repair Required:
Paint Condition:	OK	Repair Required:
Lock Condition:	OK	Repair Required:
Inner Casing Condition:	OK	Repair Required:
Surface Seal Condition:	OK	Repair Required:

Other:

**Purge Information**

Purging Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)  
    Teflon Bailor      Polyethylene Bailor      Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 4/3/13 Time Sampled: 1400 Field Personnel: R C Becken

Measured Water Level (TOR ft.):

Sampling Method (Circle one):      Stainless Steel Bailor      Peristaltic Pump      Sample Port (Pumping Wells Only)  
    Teflon Bailor      Polyethylene Bailor      Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>VWCC</u>	<u>53.7</u>	<u>7.6</u>	<u>1.46</u>	<u>45.7</u>	

QA/QC Samples Taken: Field Dup #1

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 4/3/13



**APPENDIX B**

**LABORATORY DATA REPORTS**

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Atlantic Richfield(Parsons-NY)  
BP Corporation  
501 WestLake Park Blvd  
Houston TX 77079

April 15, 2013

Project: BP Sanborn

Submittal Date: 04/03/2013

Group Number: 1379900

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-39 Water  
B-40 Water  
B-41 Water  
B-10 Water  
PW-4 Water  
PW-3 WaterLancaster Labs (LLI) #7007573  
7007574  
7007575  
7007576  
7007577  
7007578

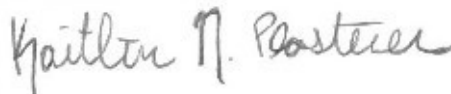
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC     Parsons  
COPY TO  
ELECTRONIC     Parsons  
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

Project Name: BP Sanborn  
LLI Group #: 1379900

**General Comments:**

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Trip blank vials were not received by the laboratory for this sample group.

**Analysis Specific Comments:****SW-846 8260B, GC/MS Volatiles**

Batch #: L130981AA (Sample number(s): 7007573-7007578 UNSPK: P8428)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: cis-1,2-Dichloroethene, 2-Chloroethyl Vinyl Ether, Vinyl Chloride

**RKSOP-175 modified, GC Miscellaneous**

Batch #: 131000026A (Sample number(s): 7007573-7007576 UNSPK: P8428)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methane

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Ethene

**SW-846 6010B, Metals**

Batch #: 130941848003 (Sample number(s): 7007573-7007576 UNSPK: P1875 BKG: P1875)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Iron

**EPA 300.0, Wet Chemistry**

Sample #s: 7007576

Reporting limits were raised due to interference from the sample matrix.

Sample Description: B-39 Water  
BP Sanborn COC: R211765  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007573  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 14:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	1.8 J	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	8.0	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	0.0659 J	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0063	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
00224	Chloride	16887-00-6	69.3	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-39 Water  
BP Sanborn COC: R211765  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007573  
LLI Group # 1379900  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/02/2013 14:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	4.3	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	96.0	6.0	20.0	20
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	2.2	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.2	3.2	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 12:13	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L130981AA	04/08/2013 12:13	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131000026A	04/11/2013 13:47	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130941848003	04/06/2013 00:28	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	130941848003	04/06/2013 00:28	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130941848003	04/05/2013 10:33	James L Mertz	1
00224	Chloride	EPA 300.0	1	13093655902A	04/04/2013 19:29	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 06:27	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 06:27	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13093655902A	04/04/2013 19:29	Christopher D Meeks	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13094049501A	04/04/2013 05:21	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101A	04/15/2013 08:10	Susan A Engle	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-39 Water  
BP Sanborn COC: R211765  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007573  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 14:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB39

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13093023502A	04/03/2013 14:29	Susan E Hibner	1

Sample Description: B-40 Water  
BP Sanborn COC: R211765  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007574  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 12:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd

Houston TX 77079

CSB40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	ug/l	ug/l	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	2.6 J	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	1.6 J	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	0.461	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0571	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	29.4	2.0	4.0	10

\*=This limit was used in the evaluation of the final result



**Sample Description:** B-40 Water  
BP Sanborn COC: R211765  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007574  
LLI Group # 1379900  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/02/2013 12:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,120	60.0	200	200
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	1.5	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	14.8 J	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	3.3	0.80	3.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 12:35	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L130981AA	04/08/2013 12:35	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131000026A	04/11/2013 14:05	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130941848003	04/06/2013 00:31	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	130941848003	04/06/2013 00:31	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130941848003	04/05/2013 10:33	James L Mertz	1
00224	Chloride	EPA 300.0	1	13093655902A	04/04/2013 20:14	Christopher D Meeks	10
00368	Nitrate Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 06:42	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 06:42	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13093655902A	04/04/2013 20:45	Christopher D Meeks	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13094049501A	04/04/2013 05:36	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101A	04/15/2013 08:10	Susan A Engle	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-40 Water  
BP Sanborn COC: R211765  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007574  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 12:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB40

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13093023502A	04/03/2013 14:29	Susan E Hibner	1

Sample Description: B-41 Water  
BP Sanborn COC: R211766  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007575  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	ug/l	ug/l	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	6.8	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	0.247	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0133	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	54.5	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-41 Water  
BP Sanborn COC: R211766  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007575  
LLI Group # 1379900  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/02/2013 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>			mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	176	6.0	20.0	20
<b>EPA 415.1 modified</b>			mg/l	mg/l	mg/l	
07547	Dissolved Organic Carbon	n.a.	1.9	0.50	1.0	1
<b>EPA 410.4</b>			mg/l	mg/l	mg/l	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
<b>SM 5210 B-2001</b>			mg/l	mg/l	mg/l	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.5	3.5	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 12:57	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L130981AA	04/08/2013 12:57	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131000026A	04/11/2013 14:23	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130941848003	04/06/2013 00:35	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	130941848003	04/06/2013 00:35	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130941848003	04/05/2013 10:33	James L Mertz	1
00224	Chloride	EPA 300.0	1	13093655902A	04/04/2013 21:00	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 07:13	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 07:13	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13093655902A	04/04/2013 21:00	Christopher D Meeks	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13094049501A	04/04/2013 05:51	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101A	04/15/2013 08:10	Susan A Engle	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-41 Water  
BP Sanborn COC: R211766  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007575  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB41

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13093023502A	04/03/2013 14:29	Susan E Hibner	1

Sample Description: B-10 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007576  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	3.1 J	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	2.3 J	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	27	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	0.776	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0056	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	183	10.0	20.0	50

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-10 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007576  
LLI Group # 1379900  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/02/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>						
00368	Nitrate Nitrogen	14797-55-8	1.5	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	4.0	5.0	50
Reporting limits were raised due to interference from the sample matrix.						
00228	Sulfate	14808-79-8	116	15.0	50.0	50
<b>EPA 415.1 modified</b>						
07547	Dissolved Organic Carbon	n.a.	1.6	0.50	1.0	1
<b>EPA 410.4</b>						
04001	Chemical Oxygen Demand	n.a.	14.8 J	12.8	50.0	1
<b>SM 5210 B-2001</b>						
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.3	3.3	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 13:19	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L130981AA	04/08/2013 13:19	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131000026A	04/11/2013 14:41	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130941848003	04/06/2013 00:39	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	130941848003	04/06/2013 00:39	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130941848003	04/05/2013 10:33	James L Mertz	1
00224	Chloride	EPA 300.0	1	13093655902A	04/04/2013 12:00	Christopher D Meeks	50
00368	Nitrate Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 07:28	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13093655902A	04/04/2013 12:00	Christopher D Meeks	50
00228	Sulfate	EPA 300.0	1	13093655902A	04/04/2013 12:00	Christopher D Meeks	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13094049501A	04/04/2013 06:06	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101A	04/15/2013 08:10	Susan A Engle	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-10 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007576  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSB10

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13093023502A	04/03/2013 14:29	Susan E Hibner	1



Sample Description: PW-4 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007577  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSPW4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	4.0 J	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	41	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: PW-4 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007577  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSPW4

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 13:41	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L130981AA	04/08/2013 13:41	Angela D Sneeringer	1

\*=This limit was used in the evaluation of the final result

Sample Description: PW-3 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007578  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 14:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSPW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	0.81 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	170	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.1 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	8.2	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	510	10	50	10
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	1.7 J	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: PW-3 Water  
BP Sanborn COC: R211767  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7007578  
LLI Group # 1379900  
Account # 12495

Project Name: BP Sanborn

Collected: 04/02/2013 14:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/03/2013 09:15

BP Corporation

Reported: 04/15/2013 18:10

501 WestLake Park Blvd  
Houston TX 77079

CSPW3

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 14:03	Angela D Sneeringer	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L130981AA	04/08/2013 19:53	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L130981AA	04/08/2013 14:03	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L130981AA	04/08/2013 19:53	Angela D Sneeringer	10

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/15/13 at 06:10 PM

Group Number: 1379900

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: L130981AA	Sample number(s): 7007573-7007578								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	93		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	94		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	98		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	96		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	84		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	112		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	100		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	82		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	99		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	104		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	79		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	99		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	97		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	86		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	102		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	105		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	107		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	108		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	95		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	101		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	92		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	107		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	89		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	105		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	106		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	95		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	105		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	101		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	89		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	85		63-120		
Batch number: 131000026A	Sample number(s): 7007573-7007576								
Ethane	N.D.	1.0	5.0	ug/l	108		80-120		
Ethene	N.D.	1.0	5.0	ug/l	105		80-120		
Methane	N.D.	3.0	5.0	ug/l	110		80-120		
Batch number: 130941848003	Sample number(s): 7007573-7007576								
Iron	N.D.	0.0333	0.200	mg/l	98		90-112		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1379900

Reported: 04/15/13 at 06:10 PM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Manganese	N.D.	0.00083	0.0050	mg/l	101		90-110		
Batch number: 13093655902A	Sample number(s): 7007573-7007576								
Chloride	N.D.	0.20	0.40	mg/l	101		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	107		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	103		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	106		90-110		
Batch number: 13094049501A	Sample number(s): 7007573-7007576								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	95		86-114		
Batch number: 13093023502A	Sample number(s): 7007573-7007576								
Biochemical Oxygen Demand					96		85-115		
Batch number: 13105400101A	Sample number(s): 7007573-7007576								
Chemical Oxygen Demand					101		94-110		

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: L130981AA	Sample number(s): 7007573-7007578 UNSPK: P008428								
Benzyl Chloride	98	100	42-131	3	30				
Bromobenzene	102	104	82-115	2	30				
Bromodichloromethane	105	106	78-125	1	30				
Bromoform	101	102	48-118	1	30				
Bromomethane	90	91	47-129	1	30				
Carbon Tetrachloride	127	128	72-135	1	30				
Chlorobenzene	108	110	87-124	2	30				
Chloroethane	94	95	51-145	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	115	116	81-134	1	30				
Chloromethane	86	86	46-137	1	30				
Dibromochloromethane	106	106	74-116	0	30				
Dibromomethane	101	103	83-119	2	30				
1,2-Dichlorobenzene	104	106	84-119	2	30				
1,3-Dichlorobenzene	107	109	86-121	2	30				
1,4-Dichlorobenzene	104	106	85-121	2	30				
Dichlorodifluoromethane	101	101	52-129	0	30				
1,1-Dichloroethane	113	113	84-129	0	30				
1,2-Dichloroethane	109	109	68-131	0	30				
1,1-Dichloroethene	128	129	75-155	1	30				
cis-1,2-Dichloroethene	48 (2)	65 (2)	80-141	1	30				
trans-1,2-Dichloroethene	121	122	81-142	1	30				
1,2-Dichloropropane	101	104	83-124	3	30				
cis-1,3-Dichloropropene	104	107	70-116	3	30				
trans-1,3-Dichloropropene	96	99	74-119	3	30				
Methylene Chloride	115	116	78-133	0	30				
1,1,1,2-Tetrachloroethane	108	109	74-136	1	30				
1,1,2,2-Tetrachloroethane	93	95	72-128	2	30				

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1379900

Reported: 04/15/13 at 06:10 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrachloroethene	117	119	80-128	2	30				
1,1,1-Trichloroethane	120	121	69-140	1	30				
1,1,2-Trichloroethane	101	100	71-141	1	30				
Trichloroethene	116	119	88-133	3	30				
Trichlorofluoromethane	119	116	64-146	3	30				
1,2,3-Trichloropropane	94	96	76-118	2	30				
Vinyl Chloride	60 (2)	75 (2)	66-133	1	30				
Batch number: 131000026A Sample number(s): 7007573-7007576 UNSPK: P008428									
Ethane	62	78	32-129	18	20				
Ethene	68	91	35-162	21*	20				
Methane	11*	38	35-157	10	20				
Batch number: 130941848003 Sample number(s): 7007573-7007576 UNSPK: P001875 BKG: P001875									
Iron	805 (2)	723 (2)	75-125	2	20	39.6	45.8	15	20
Manganese	121	112	75-125	3	20	1.12	1.19	6	20
Batch number: 13093655902A Sample number(s): 7007573-7007576 UNSPK: P000909 BKG: P000909									
Chloride	100		90-110			6.8	7.2	6 (1)	20
Nitrate Nitrogen	105		90-110			0.65	0.72	9 (1)	20
Nitrite Nitrogen	104		90-110			N.D.	N.D.	0 (1)	20
Sulfate	103		90-110			10.1	10.2	1 (1)	20
Batch number: 13094049501A Sample number(s): 7007573-7007576 UNSPK: P005726 BKG: P005726									
Dissolved Organic Carbon	101		54-135			2.7	2.7	1 (1)	2
Batch number: 13093023502A Sample number(s): 7007573-7007576 UNSPK: 7007575 BKG: P007726									
Biochemical Oxygen Demand	110	104	69-139	5	8	1,050	1,080	3	15
Batch number: 13105400101A Sample number(s): 7007573-7007576 UNSPK: P009761 BKG: P009761									
Chemical Oxygen Demand	90		90-110			5,480	5,430	1	5

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260

Batch number: L130981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7007573	105	102	97	96
7007574	105	103	98	96
7007575	107	103	97	96
7007576	107	101	97	95
7007577	106	104	96	95
7007578	108	103	98	96
Blank	105	103	98	97
LCS	103	102	99	100

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1379900

Reported: 04/15/13 at 06:10 PM

**Surrogate Quality Control**

MS	104	100	99	99
MSD	103	104	99	99

Limits:	80-116	77-113	80-113	78-113
---------	--------	--------	--------	--------

Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 131000026A

Propene

7007573	77
7007574	67
7007575	66
7007576	62
Blank	96
LCS	99
MS	59
MSD	69

Limits:	42-131
---------	--------

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

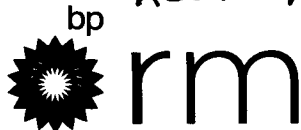


Acct# 12495 Grp# 1379900 Sample# 7007573-78  
Laboratory Management Program LaMP Chain of Custody Record R211765

Page 1 of 3

BP Site Node Path: BP, Sanborn  
BP Facility No: \_\_\_\_\_Req Due Date (mm/dd/yy): \_\_\_\_\_ Rush TAT: Yes \_\_\_\_\_ No ☒  
Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>				Facility Address: <u>2040 Cory Dr.</u>				Consultant/Contractor: <u>Parsons</u>														
Lab Address: <u>2425 New Holland Pike, Lancaster, NY 17601</u>				City, State, ZIP Code: <u>Sanborn, NY 14132</u>				Consultant/Contractor Project No: _____														
Lab PM: <u>Kaitlin Plasterer</u>				Lead Regulatory Agency: <u>NYSDDEC</u>				Address: <u>401A Riviere Dr. Suite 350, Buffalo, NY 14202</u>														
Lab Phone: <u>717 656-2300</u>				California Global ID No.: _____				Consultant/Contractor PM: <u>George Hermance</u>														
Lab Shipping Acct: _____				Enfos Proposal No: <u>D0084-0004</u>				Phone: <u>(716) 407-4990</u> Email: _____														
Lab Bottle Order No: <u>13608</u>				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u> and to <u>lab.enfosdoc@bp.com</u>														
Other Info: _____				Stage: <u>60</u> Activity: <u>81</u>				Invoice To: <u>BP</u> <input checked="" type="checkbox"/> Contractor _____														
BP Project Manager (PM): <u>Bill Barber</u>				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level										
BP PM Phone: <u>(716) 271-8058</u>												Standard _____										
BP PM Email: _____												Full Data Package _____										
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	COD	BOD	Iron, Manganese	DOC	Chloride, Nitrate, Nitrite Sulfate	Ethene Methane, Ethane	8260	Comments	
	B-39	4/02/13	1400				Y	1		X				X								
							Y	1	X						X							
							Y	1			X					X						
							Y	1	X								X					
							Y	2	X									X				
							Y	2				X							X			
							Y	3	X											X		
	B-40		1245				Y	1		X				X								
							Y	1	X						X							
							Y	1			X					X						
Sampler's Name: <u>Richard C Becken</u>				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time				
Sampler's Company: <u>O&amp;M Enterprises Inc.</u>				<u>Richard C Becken O&amp;M</u>				<u>4/02/13</u>		<u>1530</u>												
Shipment Method: <u>Fed Ex</u> Ship Date: <u>4/02/13</u>																						
Shipment Tracking No: <u>801301784612</u>																						
Special Instructions:																						
THIS LINE - LAB USE ONLY: Custody Seals In Place: <u>Yes</u> / No   Temp Blank: <u>Yes</u> / No   Cooler Temp on Receipt: <u>5.0</u> (F/C)   Trip Blank: Yes <u>No</u>   MS/MSD Sample Submitted: Yes <u>No</u>																						



Acct # 12495 Grp # 1379900 Sample # 7007573-78

## Laboratory Management Program LAMP Chain of Custody Record R211766

Page 2 of 3

BP Site Node Path: BP Sanborn

Req Due Date (mm/dd/yy):

Rush TAT: Yes No ☒

BP Facility No:

Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Katlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: 717 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Acct:	Enfos Proposal No: D00B4-0004	Phone: (716) 407-4990 Email:
Lab Bottle Order No: 136008	Accounting Mode: 10 Provision OOC-BU OOC-RM	Email EDD To: Lorraine Wobler and to lab_enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP <input checked="" type="checkbox"/> Contractor:

BP Project Manager (PM): Bill Barber				Matrix		No. Containers / Preservative							Requested Analyses										Report Type & QC Level	
BP PM Phone: (216) 271-8038																							Standard	
BP PM Email:																							Full Data Package	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	Met long Ethylene Glycol, Chloride, Nitrate, Nitrite, Sulfate	DOC	COD	BOD					Comments	
	B-40	4/02/13	1245				Y	3	X					X									Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
							Y	2				X		X										
							X	2	X						X									
							Y	1	X							X								
	B-41		1115				Y	3	X					X										
							Y	2				X		X										
							Y	2	X						X									
							Y	1	X							X								
							Y	1		X							X							
							Y	1	X									X						

Sampler's Name: Richard C Becker	Relinquished By / Affiliation: Richard C Becker	Date: 4/02/13	Time: 1530	Accepted By / Affiliation: Kevin J. LLI	Date: 4-3-13	Time: 0915
Sampler's Company: D+M Enterprises, Inc.						
Shipment Method: Fed Ex	Ship Date: 4/02/13					
Shipment Tracking No: 801301784612						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: ☒ Yes / ☐ No | Temp Blank: ☒ Yes / ☐ No | Cooler Temp on Receipt: 5.0 °C | Trip Blank: Yes ☐ No ☒ | MS/MSD Sample Submitted: Yes ☐ No ☒



Acct # 12495 Grp # 1379900 Sample # 7007573-78

## Laboratory Management Program LAMP Chain of Custody Record

R211767

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BP Site Node Path: BP, Sarnam

Req Due Date (mm/dd/yy):

Rush TAT: Yes No

BP Facility No:

Lab Work Order Number:

Lab Name: Lancaster Labs				Facility Address: 2040 Cory Dr.				Consultant/Contractor: Parsons																
Lab Address: 2425 New Holland Pike, Lancaster PA 17601				City, State, ZIP Code: Sarnam, NY 14132				Consultant/Contractor Project No:																
Lab PM: Kathleen Plasterer				Lead Regulatory Agency: NYSDOC				Address: 44 Lafayette Dr. Suite 350 Buffalo, NY 14202																
Lab Phone: 717 656-2300				California Global ID No.:				Consultant/Contractor PM: George Hermance																
Lab Shipping Acct:				Enfos Proposal No: D00B4-0004				Phone: (716) 407-4990 Email:																
Lab Bottle Order No: 136005				Accounting Mode: 10 Provision OOC-BU OOC-RM				Email EDD To: Corrine Weber and to lab.enfosdoc@bp.com																
Other Info:				Stage: 80 Activity: 81				Invoice To: BP Contractor																
BP Project Manager (PM): Bill Barber				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level												
BP PM Phone: (216) 271-8038												Standard												
BP PM Email:												Full Data Package												
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	Iron, Manganese	COD	BOD	DOC	Chloride, Phosphate, Nitrate	Sulfate	Ethene	Methane, Ethane	Comments	
	B-41	4/2/13	1115				Y	1			X				X									* ANALYSIS PER
	B-10	4/2/13	0945				Y	3	X						X									R. BECKEN. KNP 4/5/13
							Y	1			X				X									
							Y	1								X								
							Y	1	X								X							
							Y	1	X									X						
							Y	2	X										X					
							Y	2				X								X				
	PW-4		1415				Y	3	X						*									
	PW-3		1425				Y	3	X						*									
Sampler's Name: Richard C. Becken				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time						
Sampler's Company: O+M Enterprises Inc.				Richard C. Becken O+M				4/2/13		1530														
Shipment Method: Fed Ex Ship Date: 4/2/13																								
Shipment Tracking No: 801301784612																		Kristin Zehr LLC 4-3-13 0915						
Special Instructions:																								

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No

Temp Blank: Yes / No

Cooler Temp on Receipt: 5.0 °C

Trip Blank: Yes / No

MS/MSD Sample Submitted: Yes / No

Environmental Sample Administration  
Receipt Documentation LogClient/Project: ParsonsDate of Receipt: 4-3-13Time of Receipt: 0915Source Code: 50-1Shipping Container Sealed: YES NOCustody Seal Present \*: YES NO\* Custody seal was intact unless otherwise noted in the  
discrepancy sectionPackage: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	2737	5.0°	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

Paperwork Discrepancy/Unpacking Problems:

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Unpacker Signature/Emp#: Kristin Zyl 2123 Date/Time: 4-3-13 0953

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Atlantic Richfield(Parsons-NY)  
BP Corporation  
501 WestLake Park Blvd  
Houston TX 77079

April 17, 2013

Project: BP Sanborn

Submittal Date: 04/04/2013  
Group Number: 1380474  
PO Number: D00B4-0004  
Release Number: BARBER  
State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-13 Water	7010220
B-19 Water	7010221
B-48 Water	7010222
B-49 Water	7010223
Field Dup #1 Water	7010224
P-4 Water	7010225
P-3 Water	7010226

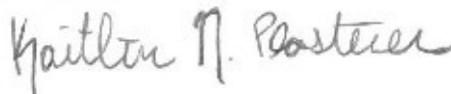
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC     Parsons  
COPY TO  
ELECTRONIC     Parsons  
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

Project Name: BP Sanborn  
LLI Group #: 1380474

**General Comments:**

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Trip blank vials were not received by the laboratory for this sample group.

**Analysis Specific Comments:****SW-846 8260B, GC/MS Volatiles**

Batch #: N130981AA (Sample number(s): 7010220-7010225 UNSPK: P8569)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: 1,1,1-Trichloroethane

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: 1,1,1-Trichloroethane, Carbon Tetrachloride, Dibromochloromethane, 2-Chloroethyl Vinyl Ether

Batch #: N130982AA (Sample number(s): 7010226 UNSPK: P8885)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: cis-1,2-Dichloroethene, Carbon Tetrachloride, 2-Chloroethyl Vinyl Ether, 1,1,1-Trichloroethane, 1,2-Dichloroethane, Dibromochloromethane, Bromoform

Batch #: N130991AA (Sample number(s): 7010220 UNSPK: P3514)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Trichloroethene



Sample #s: 7010220, 7010225

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,1,1-trichloroethane.

Sample #s: 7010224

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,1,1-trichloroethane. The concentration reported for trichloroethene is estimated since it exceeded the calibration range of the instrument in the initial determination. A diluted analysis (DF 10) was performed outside of the method specified holding time. This compound was detected at a concentration of 750 ug/l in the diluted determination. The result reported is from the initial determination.

**RSKSOP-175 modified, GC Miscellaneous**

Batch #: 131010014A (Sample number(s): 7010220-7010223 UNSPK: P9764)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methane, Ethene, Ethane

**EPA 410.4, Wet Chemistry**

Batch #: 13099400102A (Sample number(s): 7010220-7010221 UNSPK: P9190 BKG: P9190)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Chemical Oxygen Demand

Batch #: 13099400102B (Sample number(s): 7010222-7010223 UNSPK: P11964 BKG: P9190)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Chemical Oxygen Demand

**SM 5210 B-2001, Wet Chemistry**

Batch #: 13095023501A (Sample number(s): 7010220-7010223 UNSPK: P10181 BKG: P10180)

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Biochemical Oxygen Demand

Sample Description: B-13 Water  
BP Sanborn COC: 192460  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010220  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 09:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	3.6 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	370	8.0	50	10
10335	trans-1,2-Dichloroethene	156-60-5	4.6 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	4.0 J	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	380	10	50	10
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	32	1.0	5.0	1
The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,1,1-trichloroethane.						
<b>GC Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>		
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	0.484	0.0333	0.200	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-13 Water  
BP Sanborn COC: 192460  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010220  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 09:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Metals</b>						
07058	Manganese	SW-846 6010B 7439-96-5	mg/l 0.0221	mg/l 0.00083	mg/l 0.0050	1
<b>Wet Chemistry</b>						
00224	Chloride	EPA 300.0 16887-00-6	mg/l 39.5	mg/l 4.0	mg/l 8.0	20
00368	Nitrate Nitrogen	14797-55-8	0.34 J	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	461	15.0	50.0	50
07547	Dissolved Organic Carbon	EPA 415.1 modified n.a.	mg/l 1.8	mg/l 0.50	mg/l 1.0	1
04001	Chemical Oxygen Demand	EPA 410.4 n.a.	mg/l N.D.	mg/l 12.8	mg/l 50.0	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001 n.a.	mg/l N.D.	mg/l 5.4	mg/l 5.4	1

## General Sample Comments

State of New York Certification No. 10670  
Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 15:07	Linda C Pape	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130991AA	04/09/2013 19:45	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130981AA	04/08/2013 15:07	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N130991AA	04/09/2013 19:45	Linda C Pape	10
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131010014A	04/12/2013 16:45	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130981848004	04/14/2013 11:34	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	130981848004	04/14/2013 11:34	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130981848004	04/09/2013 09:45	James L Mertzt	1
00224	Chloride	EPA 300.0	1	13095655901A	04/09/2013 14:32	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 09:11	Christopher D Meeks	5

\*=This limit was used in the evaluation of the final result

Sample Description: B-13 Water  
BP Sanborn COC: 192460  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010220  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 09:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB13

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 09:11	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901A	04/09/2013 13:46	Christopher D Meeks	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 03:49	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13099400102A	04/09/2013 20:23	Hannah M Royer	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023501A	04/05/2013 07:14	Susan E Hibner	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-19 Water  
BP Sanborn COC: 192460  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010221  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	2.5 J	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	1.4 J	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	N.D.	0.0333	0.200	1
07058	Manganese	7439-96-5	0.00089 J	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	60.1	10.0	20.0	50

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-19 Water  
BP Sanborn COC: 192460  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010221  
LLI Group # 1380474  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/03/2013 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	0.72	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	343	15.0	50.0	50
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	1.9	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	2.7 J	0.80	3.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 15:30	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130981AA	04/08/2013 15:30	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131010014A	04/12/2013 01:32	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130981848004	04/14/2013 11:38	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	130981848004	04/14/2013 11:38	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130981848004	04/09/2013 09:45	James L Mertz	1
00224	Chloride	EPA 300.0	1	13095655901A	04/09/2013 14:47	Christopher D Meeks	50
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 09:27	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 09:27	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901A	04/09/2013 14:47	Christopher D Meeks	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 04:35	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13099400102A	04/09/2013 20:23	Hannah M Royer	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023501A	04/05/2013 07:14	Susan E Hibner	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-48 Water  
BP Sanborn COC: 192459  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010222  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd

Houston TX 77079

SNB48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	1.8	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	N.D.	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0118	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
00224	Chloride	16887-00-6	50.8	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

Sample Description: B-48 Water  
BP Sanborn COC: 192459  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010222  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	2.4	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	102	6.0	20.0	20
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	2.0	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.8	3.8	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 15:54	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130981AA	04/08/2013 15:54	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131010014A	04/12/2013 01:50	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130981848004	04/14/2013 11:43	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	130981848004	04/14/2013 11:43	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130981848004	04/09/2013 09:45	James L Mertz	1
00224	Chloride	EPA 300.0	1	13095655901A	04/09/2013 15:02	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 09:57	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 09:57	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901A	04/09/2013 15:02	Christopher D Meeks	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 04:50	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13099400102B	04/09/2013 20:23	Hannah M Royer	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023501A	04/05/2013 07:14	Susan E Hibner	1

\*=This limit was used in the evaluation of the final result



Sample Description: B-49 Water  
BP Sanborn COC: 192464  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010223  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	5.9	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	19	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	N.D.	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0182	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	25.2	1.0	2.0	5

\*=This limit was used in the evaluation of the final result

Sample Description: B-49 Water  
BP Sanborn COC: 192464  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010223  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNB49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>			mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	0.58	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,690	150	500	500
<b>EPA 415.1 modified</b>			mg/l	mg/l	mg/l	
07547	Dissolved Organic Carbon	n.a.	1.6	0.50	1.0	1
<b>EPA 410.4</b>			mg/l	mg/l	mg/l	
04001	Chemical Oxygen Demand	n.a.	70.9	12.8	50.0	1
<b>SM 5210 B-2001</b>			mg/l	mg/l	mg/l	
00235	Biochemical Oxygen Demand	n.a.	19.4	0.80	3.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 16:18	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130981AA	04/08/2013 16:18	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131010014A	04/12/2013 02:08	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	130981848004	04/14/2013 11:47	Eric L Eby	1
07058	Manganese	SW-846 6010B	1	130981848004	04/14/2013 11:47	Eric L Eby	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	130981848004	04/09/2013 09:45	James L Mertz	1
00224	Chloride	EPA 300.0	1	13095655901A	04/05/2013 10:12	Christopher D Meeks	5
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 10:12	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901A	04/05/2013 10:12	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901A	04/09/2013 15:18	Christopher D Meeks	500
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 05:05	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13099400102B	04/09/2013 20:23	Hannah M Royer	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023501A	04/05/2013 07:14	Susan E Hibner	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** Field Dup #1 Water  
 BP Sanborn COC: 192464  
 2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010224  
 LLI Group # 1380474  
 Account # 12495

**Project Name:** BP Sanborn

Collected: 04/03/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
 Houston TX 77079

SNBD1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	1.0 J	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	30	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	260	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.4 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	4.2 J	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	5.8	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	880 E	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	14	1.0	5.0	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,1,1-trichloroethane.

The concentration reported for trichloroethene is estimated since it exceeded the calibration range of the instrument in the initial determination. A diluted analysis (DF 10) was performed outside of the method specified holding time. This compound was detected at a concentration of 750 ug/l in the diluted determination. The result reported is from the initial determination.

\*=This limit was used in the evaluation of the final result

Sample Description: Field Dup #1 Water  
BP Sanborn COC: 192464  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010224  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNBD1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 19:00	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130981AA	04/08/2013 19:00	Linda C Pape	1

\*=This limit was used in the evaluation of the final result

Sample Description: P-4 Water  
BP Sanborn COC: 192464  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010225  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 10:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd

Houston TX 77079

SNBP4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	40	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	7.1	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	520	8.0	50	10
10335	trans-1,2-Dichloroethene	156-60-5	8.5	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	1.9 J	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	28	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	1,900	10	50	10
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	11	1.0	5.0	1

The LCS and/or LCSD recoveries are outside the stated QC window but within the marginal exceedance allowance of +/- 4 standard deviations as defined in the NELAC Standards. The following analytes are accepted based on this allowance: 1,1,1-trichloroethane.

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: P-4 Water  
BP Sanborn COC: 192464  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010225  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 10:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNBP4

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 16:41	Linda C Pape	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130981AA	04/08/2013 17:04	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130981AA	04/08/2013 16:41	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N130981AA	04/08/2013 17:04	Linda C Pape	10

\*=This limit was used in the evaluation of the final result

Sample Description: P-3 Water  
BP Sanborn COC: 192458  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010226  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 13:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNBP3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	30	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.2 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	1.6 J	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: P-3 Water  
BP Sanborn COC: 192458  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7010226  
LLI Group # 1380474  
Account # 12495

Project Name: BP Sanborn

Collected: 04/03/2013 13:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/04/2013 15:00

BP Corporation

Reported: 04/17/2013 18:39

501 WestLake Park Blvd  
Houston TX 77079

SNBP3

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N130982AA	04/09/2013 00:43	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N130982AA	04/09/2013 00:43	Sarah A Guill	1

\*=This limit was used in the evaluation of the final result



## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/17/13 at 06:39 PM

Group Number: 1380474

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: N130981AA	Sample number(s): 7010220-7010225								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	90		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	111		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	114		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	102		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	127		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	95		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	85		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	115		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	83		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	113		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	108		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	98		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	105		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	123		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	111		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	105		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	107		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	103		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	107		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	114		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	87		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	108		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	127*		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	99		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	108		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	117		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	95		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	95		63-120		
Batch number: N130982AA	Sample number(s): 7010226								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	89		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	104		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	113		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	97		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	118		65-137		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1380474

Reported: 04/17/13 at 06:39 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chlorobenzene	N.D.	0.80	5.0	ug/l	106		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	96		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	84		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	106		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	85		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	111		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	103		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	85		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	102		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	112		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	97		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	114		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	88		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	107		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	116		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	99		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	103		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	94		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	97		63-120		

Batch number: N130991AA

Sample number(s): 7010220

cis-1,2-Dichloroethene

N.D. 0.80 5.0 ug/l

103

80-120

Trichloroethene

N.D. 1.0 5.0 ug/l

106

80-120

Batch number: 131010014A

Sample number(s): 7010220-7010223

Ethane

N.D. 1.0 5.0 ug/l

98

80-120

Ethene

N.D. 1.0 5.0 ug/l

98

80-120

Methane

N.D. 3.0 5.0 ug/l

100

80-120

Batch number: 130981848004

Sample number(s): 7010220-7010223

Iron

N.D. 0.0333 0.200 mg/l

98

90-112

Manganese

N.D. 0.00083 0.0050 mg/l

103

90-110

Batch number: 13095655901A

Sample number(s): 7010220-7010223

Chloride

N.D. 0.20 0.40 mg/l

98

90-110

Nitrate Nitrogen

N.D. 0.050 0.10 mg/l

103

90-110

Nitrite Nitrogen

N.D. 0.080 0.10 mg/l

100

90-110

Sulfate

N.D. 0.30 1.0 mg/l

103

90-110

Batch number: 13101049501A

Sample number(s): 7010220-7010223

Dissolved Organic Carbon

N.D. 0.50 1.0 mg/l

97

86-114

Batch number: 13095023501A

Sample number(s): 7010220-7010223

Biochemical Oxygen Demand

86

85-115

Batch number: 13099400102A

Sample number(s): 7010220-7010221

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/17/13 at 06:39 PM

Group Number: 1380474

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chemical Oxygen Demand					100		94-110		
Batch number: 13099400102B	Sample number(s): 7010222-7010223				100		94-110		
Chemical Oxygen Demand									

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: N130981AA	Sample number(s): 7010220-7010225 UNSPK: P008569								
Benzyl Chloride	87	89	42-131	3	30				
Bromobenzene	100	99	82-115	1	30				
Bromodichloromethane	115	115	78-125	0	30				
Bromoform	116	117	48-118	1	30				
Bromomethane	109	108	47-129	1	30				
Carbon Tetrachloride	143*	144*	72-135	0	30				
Chlorobenzene	110	109	87-124	1	30				
Chloroethane	102	102	51-145	0	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	120	120	81-134	0	30				
Chloromethane	87	88	46-137	1	30				
Dibromochloromethane	120*	117*	74-116	2	30				
Dibromomethane	114	111	83-119	2	30				
1,2-Dichlorobenzene	101	100	84-119	0	30				
1,3-Dichlorobenzene	102	100	86-121	2	30				
1,4-Dichlorobenzene	98	99	85-121	0	30				
Dichlorodifluoromethane	113	114	52-129	1	30				
1,1-Dichloroethane	110	111	84-129	0	30				
1,2-Dichloroethane	129	126	68-131	2	30				
1,1-Dichloroethene	121	124	75-155	2	30				
cis-1,2-Dichloroethene	106	108	80-141	2	30				
trans-1,2-Dichloroethene	112	112	81-142	0	30				
1,2-Dichloropropane	99	101	83-124	2	30				
cis-1,3-Dichloropropene	107	108	70-116	1	30				
trans-1,3-Dichloropropene	107	106	74-119	1	30				
Methylene Chloride	109	111	78-133	2	30				
1,1,1,2-Tetrachloroethane	121	119	74-136	2	30				
1,1,2,2-Tetrachloroethane	84	85	72-128	0	30				
Tetrachloroethene	121	122	80-128	0	30				
1,1,1-Trichloroethane	141*	141*	69-140	0	30				
1,1,2-Trichloroethane	101	101	71-141	0	30				
Trichloroethene	114	115	88-133	1	30				
Trichlorofluoromethane	137	136	64-146	1	30				
1,2,3-Trichloropropane	90	92	76-118	3	30				
Vinyl Chloride	102	104	66-133	2	30				
Batch number: N130982AA	Sample number(s): 7010226 UNSPK: P008885								
Benzyl Chloride	85	85	42-131	1	30				
Bromobenzene	101	103	82-115	2	30				
Bromodichloromethane	117	115	78-125	2	30				

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1380474

Reported: 04/17/13 at 06:39 PM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Bromoform	120*	117	48-118	3	30				
Bromomethane	104	101	47-129	2	30				
Carbon Tetrachloride	149*	143*	72-135	4	30				
Chlorobenzene	111	111	87-124	1	30				
Chloroethane	99	97	51-145	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	123	121	81-134	2	30				
Chloromethane	81	84	46-137	3	30				
Dibromochloromethane	120*	116	74-116	3	30				
Dibromomethane	113	108	83-119	4	30				
1,2-Dichlorobenzene	103	103	84-119	0	30				
1,3-Dichlorobenzene	103	104	86-121	1	30				
1,4-Dichlorobenzene	102	101	85-121	1	30				
Dichlorodifluoromethane	110	107	52-129	3	30				
1,1-Dichloroethane	107	106	84-129	1	30				
1,2-Dichloroethane	133*	127	68-131	5	30				
1,1-Dichloroethene	124	121	75-155	2	30				
cis-1,2-Dichloroethene	80 (2)	56 (2)	80-141	4	30				
trans-1,2-Dichloroethene	115	115	81-142	1	30				
1,2-Dichloropropane	100	100	83-124	1	30				
cis-1,3-Dichloropropene	106	105	70-116	1	30				
trans-1,3-Dichloropropene	104	106	74-119	2	30				
Methylene Chloride	110	108	78-133	1	30				
1,1,1,2-Tetrachloroethane	122	120	74-136	2	30				
1,1,2,2-Tetrachloroethane	85	86	72-128	1	30				
Tetrachloroethene	124	123	80-128	1	30				
1,1,1-Trichloroethane	142*	137	69-140	3	30				
1,1,2-Trichloroethane	103	104	71-141	1	30				
Trichloroethene	116	115	88-133	1	30				
Trichlorofluoromethane	138	133	64-146	3	30				
1,2,3-Trichloropropane	94	92	76-118	2	30				
Vinyl Chloride	99	102	66-133	3	30				

Batch number: N130991AA Sample number(s): 7010220 UNSPK: P003514  
 cis-1,2-Dichloroethene 106 110 80-141 4 30  
 Trichloroethene 68\* 69\* 88-133 1 30

Batch number: 131010014A Sample number(s): 7010220-7010223 UNSPK: P009764  
 Ethane 146 (2) 100 (2) 32-129 6 20  
 Ethene 259 (2) 195 (2) 35-162 7 20  
 Methane -10979 -13330 35-157 7 20  
 (2) (2)

Batch number: 130981848004 Sample number(s): 7010220-7010223 UNSPK: P009194 BKG: P009194  
 Iron 97 94 75-125 3 20 N.D. N.D. 0 (1) 20  
 Manganese 95 94 75-125 0 20 1.58 1.56 1 20

Batch number: 13095655901A Sample number(s): 7010220-7010223 UNSPK: P010921 BKG: P010921  
 Chloride 97 90-110 N.D. N.D. 0 (1) 20  
 Nitrate Nitrogen 101 90-110 N.D. N.D. 0 (1) 20  
 Nitrite Nitrogen 97 90-110 N.D. N.D. 0 (1) 20  
 Sulfate 101 90-110 N.D. N.D. 0 (1) 20

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1380474

Reported: 04/17/13 at 06:39 PM

**Sample Matrix Quality Control**

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: 13101049501A Dissolved Organic Carbon	Sample number(s): 7010220-7010223 102		54-135	UNSPK: 7010220	BKG: 7010220	1.8	1.8	2 (1)	2
Batch number: 13095023501A Biochemical Oxygen Demand	Sample number(s): 7010220-7010223 99	86	69-139	14*	8	261	252	3	15
Batch number: 13099400102A Chemical Oxygen Demand	Sample number(s): 7010220-7010221 90		90-110	UNSPK: P009190	BKG: P009190	525	607	15*	5
Batch number: 13099400102B Chemical Oxygen Demand	Sample number(s): 7010222-7010223 98		90-110	UNSPK: P011964	BKG: P009190	525	607	15*	5

**Surrogate Quality Control**

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N130981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7010220	111	101	97	97
7010221	112	100	98	98
7010222	112	102	98	97
7010223	112	101	96	99
7010224	108	101	94	98
7010225	113	104	98	97
Blank	109	102	98	100
LCS	107	101	98	105
MS	106	102	99	105
MSD	108	99	100	105

Limits: 80-116 77-113 80-113 78-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N130982AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7010226	112	103	97	98
Blank	104	99	97	101
LCS	102	98	97	100
MS	109	104	99	106
MSD	105	99	98	105

Limits: 80-116 77-113 80-113 78-113

Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 131010014A

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1380474

Reported: 04/17/13 at 06:39 PM

**Surrogate Quality Control**

Propene

---

7010220	54
7010221	91
7010222	85
7010223	94
Blank	93
LCS	89
MS	76
MSD	79

---

Limits: 42-131

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



**Lab Work Order Number:**

Page 1 of 4

**Rush TAT:** Yes No ☒

Lab Name: Lancaster Labs						BP/ARC Facility Address: 2040 Cory Dr.							Consultant/Contractor: Parsons															
Lab Address: 2425 New Holland Pike Lancaster, PA 17601						City, State, ZIP Code: Sanborn, NY 14132							Consultant/Contractor Project No:															
Lab PM: Kaitlin Plasterer						Lead Regulatory Agency: NYS DEC							Address: 40 LaRue Dr. Suite 350 Buffalo, NY 14202															
Lab Phone: (717) 656-2300						California Global ID No.:							Consultant/Contractor PM: George Hermance															
Lab Shipping Acctn:						Enfos Proposal No: D0084-0004							Phone: (716) 271-8038															
Lab Bottle Order No: 136008						Accounting Mode: 10 Provision OOC-BU OOC-RM							Email EDD To: Lorraine Weber															
Other Info:						Stage: 60 Activity: 81							Invoice To: BP/ARC Contractor															
BP/ARC EBM: Bill Barber						Matrix		No. Containers / Preservative									Requested Analyses									Report Type & QC Level		
EBM Phone: (216) 271-8038																										Standard		
EBM Email:																										Full Data Package		
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	COD	BOD	DOC	Methylene Blue	Ethylene Glycol	Sulfide	Chloride Nitrate Phosphate	Iron Manganese	Comments <small>Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.</small>						
	B-13	4/3/13	0935				3	X					X															
							1		X					X														
							1	X							X													
							1	X								X												
							2				X						X											
							2	X										X										
							1			X										X								
	B-19		1105				3	X					X															
							1		X					X														
							1	X							X													
Sampler's Name: Richard C Barber						Relinquished By / Affiliation							Date		Time		Accepted By / Affiliation						Date		Time			
Sampler's Company: Cam Enterprises Inc.						Richard C Barber CAM							4/3/13		1500													
Shipment Method: Fed Ex Ship Date: 4/3/13																												
Shipment Tracking No: 881301784575																	Zz						4/4/13		1500			
Special Instructions:																												
THIS LINE - LAB USE ONLY: Custody Seals In Place Yes/No								Temp Blank: Yes/No				Cooler Temp on Receipt: 5.1 °F(°C)				Trip Blank: Yes/(No)				MS/MSD Sample Submitted: Yes/(No)								

BP/ARC Project Name: BP Sarnon  
BP/ARC Facility No: \_\_\_\_\_

Req Due Date (mm/dd/yy): \_\_\_\_\_ Rush TAT: Yes ☐ No ☒  
Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sarnon, NY 1432</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kaitlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>46 LaRiviere Dr. Suite 350, Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>D0084-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor _____

BP/ARC EBM: <u>Bill Barber</u>				Matrix				No. Containers / Preservative						Requested Analyses						Report Type & QC Level			
EBM Phone: <u>(216) 271-8038</u>								Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	COD	BOD	DOC	Methane Ethane Ethene Sulfide	Chloride Nitrite Nitrate	Iron	Manganese	Standard _____	
EBM Email:																						Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor																Comments	
	B-19	4/3/13	1105					1	X								X						
								2				X						X					
								2	X										X				
								1			X									X			
	B-48		1200					3	X					X									
								1		X					X								
								1	X							X							
								1	X								X						
								2				X						X					
								2	X										X				

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: _____	Date: _____	Time: _____	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>Q&amp;M Enterprises Inc.</u>	<u>Richard C Becker</u> <u>an</u>	<u>4/3/13</u>	<u>1500</u>			
Shipment Method: <u>Fed Ex</u> Ship Date: <u>4/3/13</u>						
Shipment Tracking No: <u>801301784575</u>				<u>32</u>	<u>4/4/13</u>	<u>1500</u>

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: ☒ Yes ☐ No Temp Blank: ☒ Yes ☐ No Cooler Temp on Receipt: 5.1 °F ☒ Trip Blank: Yes ☐ No MS/MSD Sample Submitted: Yes ☒ No



BP/ARC Project Name: BP Sanborn  
 BP/ARC Facility No: \_\_\_\_\_

Req Due Date (mm/dd/yy): \_\_\_\_\_ Rush TAT: Yes \_\_\_ No ☒  
 Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kaitlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDDEC</u>	Address: <u>40 LaRiviere Dr. Suite 350 Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hernandez</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>D0084-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: <u>BP/ARC</u> Contractor: _____

BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative						Requested Analyses										Report Type & QC Level	
EBM Phone: <u>(216) 271-8038</u>																						Standard _____	
EBM Email: _____																						Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	SR260	COD	BOD	DOC	Methane Ethane Ethylene Sulfate	Chloride Nitrite Nitrate	Iron + Manganese			Comments	
	B-48	4/3/13	1200				1			X													
	B-49		1325				3	X					X										
							1		X					X									
							1	X							X								
							1	X								X							
							2				X						X						
							2	X										X					
							1			X									X				
	Field Dup #1						3	X					X										
	P-4		1005				3	X					X										

Sampler's Name: <u>Richard C Barber</u>	Relinquished By / Affiliation: <u>Richard C Barber OAM</u>	Date: <u>4/3/13</u>	Time: <u>1500</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>4/4/13</u>	Time: <u>1500</u>
Sampler's Company: <u>OAM Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>4/3/13</u>					
Shipment Tracking No: <u>801301784575</u>						

Special Instructions: \_\_\_\_\_

THIS LINE - LAB USE ONLY: Custody Seals In Place: ☒ Yes / ☐ No    Temp Blank: ☒ Yes / ☐ No    Cooler Temp on Receipt: 5.1 °F    Trip Blank: ☒ Yes / ☐ No    MS/MSD Sample Submitted: Yes / ☒ No

Lab Name: <u>Concuster Labs</u>				BP/ARC Facility Address: <u>2040 Cony Dr.</u>				Consultant/Contractor: <u>Parsons</u>												
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>				City, State, ZIP Code: <u>Scranton, NY 14132</u>				Consultant/Contractor Project No:												
Lab PM: <u>Kaitlin Plasterer</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>4 LaRiviere Dr. Suite 350 Buffalo, NY 14202</u>												
Lab Phone: <u>(717) 656-2300</u>				California Global ID No.:				Consultant/Contractor PM: <u>George Hermance</u>												
Lab Shipping Acct:				Enfos Proposal No: <u>D0084-0004</u>				Phone: <u>(716) 407-4990</u>												
Lab Bottle Order No: <u>136008</u>				Accounting Mode: <u>10</u> Provision <u>    </u> OOC-BU <u>    </u> OOC-RM <u>    </u>				Email EDD To: <u>Lorraine Weber</u>												
Other Info:				Stage: <u>60</u> Activity: <u>81</u>				Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor <u>    </u>												
BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level								
EBM Phone: <u>(216) 271-8038</u>												Standard <u>    </u>								
EBM Email:												Full Data Package <u>    </u>								
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	COD	BOD	DOC	Methane Ethane Ethylene Sulfide, Nitrate, Nitrite, Chloride, Manganese	Iron + Manganese	Comments	
	<u>WEC *</u>	<u>4/3/13</u>	<u>1400</u>				<u>3</u>	<u>X</u>						<u>X</u>						<u>* SAMPLE VOIDED</u>
	<u>P-3</u>	<u>4/3/13</u>	<u>1345</u>				<u>3</u>	<u>X</u>						<u>X</u>						<u>PER E. FELTER</u>
																				<u>KNP 4/4/13</u>
Sampler's Name: <u>Richard C Becker</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time					
Sampler's Company: <u>DAM Enterprises Inc.</u>				<u>Richard C Becker DAM</u>				<u>4/3/13</u>	<u>1500</u>											
Shipment Method: <u>Fed Ex</u> Ship Date: <u>4/3/13</u>																				
Shipment Tracking No: <u>801301784575</u>																				
Special Instructions:																				
THIS LINE - LAB USE ONLY: Custody Seals In Place: <u>Yes</u> / No				Temp Blank: <u>Yes</u> / No				Cooler Temp on Receipt: <u>    </u> °F <u>    </u>				Trip Blank: Yes / <u>No</u>				MS/MSD Sample Submitted: Yes / <u>No</u>				

Environmental Sample Administration  
Receipt Documentation LogClient/Project: O+MShipping Container Sealed: YES NODate of Receipt: 4/4/13Custody Seal Present \*: YES NOTime of Receipt: 1500\* Custody seal was intact unless otherwise noted in the  
discrepancy sectionSource Code: 50-2Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	2783	5.1°	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

## Paperwork Discrepancy/Unpacking Problems:

1#57 vial (MEE) of B-19 has a air bubble1#40 and 1#55 vial of B-49 received broken

Unpacker Signature/Emp#:

32 2308

Date/Time:

4/4/13 1607

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Atlantic Richfield(Parsons-NY)  
BP Corporation  
501 WestLake Park Blvd  
Houston TX 77079

April 17, 2013

Project: BP Sanborn

Submittal Date: 04/05/2013

Group Number: 1380662

PO Number: D00B4-0002

Release Number: BARBER

State of Sample Origin: NY

Client Sample Description

B-44 Water

B-43 Water

B-17 Water

Field Dup #2 Water

B-42 Water

PW-1 Water

P-2 Water

Lancaster Labs (LLI) #

7011177

7011178

7011179

7011180

7011181

7011182

7011183

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC Parsons

COPY TO

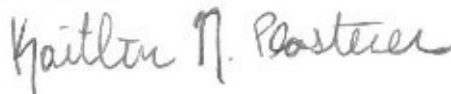
ELECTRONIC Parsons

COPY TO

Attn: George Hermance

Attn: Lorraine Weber

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

Project Name: BP Sanborn  
LLI Group #: 1380662

**General Comments:**

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are not included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

The temperature of the sample bottle(s) upon receipt at the lab was 7.6 - 8.8 C using an IR thermometer.

**Analysis Specific Comments:****SW-846 8260B, GC/MS Volatiles**

Batch #: N131001AA (Sample number(s): 7011177-7011183 UNSPK: P12549)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Vinyl Chloride, cis-1,2-Dichloroethene, Carbon Tetrachloride, 2-Chloroethyl Vinyl Ether

**RSKSOP-175 modified, GC Miscellaneous**

Batch #: 131020025A (Sample number(s): 7011177-7011181 UNSPK: P11250)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methane, Ethene

**SW-846 6010B, Metals**

Batch #: 131001848009 (Sample number(s): 7011177-7011181 UNSPK: P11250 BKG: P11250)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Manganese, Iron

**EPA 410.4, Wet Chemistry**

Batch #: 13105400101B (Sample number(s): 7011177-7011181 UNSPK: 7011181 BKG: 7011181)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Chemical Oxygen Demand

**SM 5210 B-2001, Wet Chemistry**

Batch #: 13095023502A (Sample number(s): 7011177-7011181 UNSPK: P11062 BKG: P10414)

The recovery(ies) for the following analyte(s) in the LCS were below the acceptance window: Biochemical Oxygen Demand

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Biochemical Oxygen Demand

Sample #s: 7011177, 7011178, 7011179, 7011180, 7011181

The laboratory control sample analyzed on this sample's batch yielded a recovery of 72%. The method acceptance window is 85% to 115%. Because the 48-hour holding time had lapsed, BOD was not reanalyzed. The above result is reported with client consent.



Sample Description: B-44 Water  
BP Sanborn COC: 208612  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011177  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd

Houston TX 77079

-B-44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	ug/l	ug/l	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	6.6	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	26	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	46	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	4.7 J	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	21	1.0	5.0	1
07105	Ethene	74-85-1	6.8	1.0	5.0	1
07105	Methane	74-82-8	32	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	0.0605 J	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0109	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	71.0	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

**Sample Description: B-44 Water**  
**BP Sanborn COC: 208612**  
**2040 Cory Dr - Sanborn, NY**

**LLI Sample # WW 7011177**  
**LLI Group # 1380662**  
**Account # 12495**

**Project Name: BP Sanborn**

Collected: 04/04/2013 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>						
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,600	60.0	200	200
<b>EPA 415.1 modified</b>						
07547	Dissolved Organic Carbon	n.a.	1.3	0.50	1.0	1
<b>EPA 410.4</b>						
04001	Chemical Oxygen Demand	n.a.	37.5 J	12.8	50.0	1
<b>SM 5210 B-2001</b>						
00235	Biochemical Oxygen Demand	n.a.	12.8	0.80	3.0	1
The laboratory control sample analyzed on this sample's batch yielded a recovery of 72%. The method acceptance window is 85% to 115%. Because the 48-hour holding time had lapsed, BOD was not reanalyzed. The above result is reported with client consent.						

## General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 13:22	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 13:22	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131020025A	04/15/2013 17:16	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131001848009	04/17/2013 02:13	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848009	04/17/2013 02:13	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848009	04/11/2013 09:18	Denise K Connors	1
00224	Chloride	EPA 300.0	1	13095655901B	04/09/2013 15:48	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 13:32	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 13:32	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901B	04/09/2013 16:03	Christopher D Meeks	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 05:37	James S Mathiot	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-44 Water  
BP Sanborn COC: 208612  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011177  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-44

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023502A	04/05/2013 20:26	Hannah M Royer	1

Sample Description: B-43 Water  
BP Sanborn COC: 188011  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011178  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	9.5	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	15	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	0.0357 J	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0168	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
00224	Chloride	16887-00-6	62.7	20.0	40.0	100

\*=This limit was used in the evaluation of the final result

**Sample Description: B-43 Water**  
BP Sanborn COC: 188011  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011178  
LLI Group # 1380662  
Account # 12495

**Project Name: BP Sanborn**

Collected: 04/04/2013 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>						
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	560	30.0	100	100
<b>EPA 415.1 modified</b>						
07547	Dissolved Organic Carbon	n.a.	1.7	0.50	1.0	1
<b>EPA 410.4</b>						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
<b>SM 5210 B-2001</b>						
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.2	3.2	1
The laboratory control sample analyzed on this sample's batch yielded a recovery of 72%. The method acceptance window is 85% to 115%. Because the 48-hour holding time had lapsed, BOD was not reanalyzed. The above result is reported with client consent.						

## General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 13:45	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 13:45	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131020025A	04/15/2013 17:34	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131001848009	04/17/2013 02:18	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848009	04/17/2013 02:18	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848009	04/11/2013 09:18	Denise K Connors	1
00224	Chloride	EPA 300.0	1	13095655901B	04/09/2013 16:22	Christopher D Meeks	100
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 13:47	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 13:47	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901B	04/09/2013 16:22	Christopher D Meeks	100
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 05:52	James S Mathiot	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-43 Water  
BP Sanborn COC: 188011  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011178  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-43

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023502A	04/05/2013 20:26	Hannah M Royer	1

**Sample Description:** B-17 Water  
 BP Sanborn COC: 188011  
 2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011179  
 LLI Group # 1380662  
 Account # 12495

**Project Name:** BP Sanborn

Collected: 04/04/2013 09:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
 Houston TX 77079

-B-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	5.0	25	5
10335	Bromobenzene	108-86-1	N.D.	5.0	25	5
10335	Bromodichloromethane	75-27-4	N.D.	5.0	25	5
10335	Bromoform	75-25-2	N.D.	5.0	25	5
10335	Bromomethane	74-83-9	N.D.	5.0	25	5
10335	Carbon Tetrachloride	56-23-5	N.D.	5.0	25	5
10335	Chlorobenzene	108-90-7	N.D.	4.0	25	5
10335	Chloroethane	75-00-3	N.D.	5.0	25	5
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10	50	5
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	4.0	25	5
10335	Chloromethane	74-87-3	N.D.	5.0	25	5
10335	Dibromochloromethane	124-48-1	N.D.	5.0	25	5
10335	Dibromomethane	74-95-3	N.D.	5.0	25	5
10335	1,2-Dichlorobenzene	95-50-1	N.D.	5.0	25	5
10335	1,3-Dichlorobenzene	541-73-1	N.D.	5.0	25	5
10335	1,4-Dichlorobenzene	106-46-7	N.D.	5.0	25	5
10335	Dichlorodifluoromethane	75-71-8	N.D.	10	25	5
10335	1,1-Dichloroethane	75-34-3	54	5.0	25	5
10335	1,2-Dichloroethane	107-06-2	N.D.	5.0	25	5
10335	1,1-Dichloroethene	75-35-4	36	4.0	25	5
10335	cis-1,2-Dichloroethene	156-59-2	9,900	40	250	50
10335	trans-1,2-Dichloroethene	156-60-5	41	4.0	25	5
10335	1,2-Dichloropropane	78-87-5	N.D.	5.0	25	5
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.0	25	5
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.0	25	5
10335	Methylene Chloride	75-09-2	N.D.	10	25	5
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	5.0	25	5
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.0	25	5
10335	Tetrachloroethene	127-18-4	N.D.	4.0	25	5
10335	1,1,1-Trichloroethane	71-55-6	7.9 J	4.0	25	5
10335	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10335	Trichloroethene	79-01-6	7,900	50	250	50
10335	Trichlorofluoromethane	75-69-4	N.D.	10	25	5
10335	1,2,3-Trichloropropane	96-18-4	N.D.	5.0	25	5
10335	Vinyl Chloride	75-01-4	1,200	5.0	25	5
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	1.1 J	1.0	5.0	1
07105	Ethene	74-85-1	12	1.0	5.0	1
07105	Methane	74-82-8	45	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	2.02	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0802	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
00224	Chloride	16887-00-6	65.7	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

**Sample Description: B-17 Water**  
**BP Sanborn COC: 188011**  
**2040 Cory Dr - Sanborn, NY**

**LLI Sample # WW 7011179**  
**LLI Group # 1380662**  
**Account # 12495**

**Project Name: BP Sanborn**

Collected: 04/04/2013 09:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	0.45 J	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	188	6.0	20.0	20
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	4.4	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	30.7 J	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.2	3.2	1
The laboratory control sample analyzed on this sample's batch yielded a recovery of 72%. The method acceptance window is 85% to 115%. Because the 48-hour holding time had lapsed, BOD was not reanalyzed. The above result is reported with client consent.						

## General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 15:19	Linda C Pape	5
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 15:42	Linda C Pape	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 15:19	Linda C Pape	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N131001AA	04/10/2013 15:42	Linda C Pape	50
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131020025A	04/15/2013 17:53	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131001848009	04/17/2013 02:31	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848009	04/17/2013 02:31	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848009	04/11/2013 09:18	Denise K Conners	1
00224	Chloride	EPA 300.0	1	13095655901B	04/09/2013 16:37	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 14:02	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 14:02	Christopher D Meeks	5

\*=This limit was used in the evaluation of the final result



Sample Description: B-17 Water  
BP Sanborn COC: 188011  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011179  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 09:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-17

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	13095655901B	04/09/2013 16:37	Christopher D Meeks	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 06:07	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023502A	04/05/2013 20:26	Hannah M Royer	1

\*=This limit was used in the evaluation of the final result

Sample Description: Field Dup #2 Water  
BP Sanborn COC: R211768  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011180  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-BPD2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	ug/l	ug/l	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	9.8	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.3	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	7.4	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	N.D.	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0083	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	68.0	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

**Sample Description:** Field Dup #2 Water  
BP Sanborn COC: R211768  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011180  
LLI Group # 1380662  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/04/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-BPD2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>						
00368	Nitrate Nitrogen	14797-55-8	2.3	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	74.0	1.5	5.0	5
<b>EPA 415.1 modified</b>						
07547	Dissolved Organic Carbon	n.a.	2.2	0.50	1.0	1
<b>EPA 410.4</b>						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
<b>SM 5210 B-2001</b>						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.4	2.4	1
The laboratory control sample analyzed on this sample's batch yielded a recovery of 72%. The method acceptance window is 85% to 115%. Because the 48-hour holding time had lapsed, BOD was not reanalyzed. The above result is reported with client consent.						

## General Sample Comments

State of New York Certification No. 10670  
The temperature of the sample bottle(s) upon receipt at the lab was 7.6 - 8.8 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 14:09	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 14:09	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131020025A	04/15/2013 18:12	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131001848009	04/17/2013 02:36	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848009	04/17/2013 02:36	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848009	04/11/2013 09:18	Denise K Connors	1
00224	Chloride	EPA 300.0	1	13095655901B	04/09/2013 17:23	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 14:17	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 14:17	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901B	04/05/2013 14:17	Christopher D Meeks	5

\*=This limit was used in the evaluation of the final result

Sample Description: Field Dup #2 Water  
BP Sanborn COC: R211768  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011180  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-BPD2

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 06:22	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023502A	04/05/2013 20:26	Hannah M Royer	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-42 Water  
BP Sanborn COC: 192461  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011181  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	ug/l	ug/l	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	11	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.3 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	7.7	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	N.D.	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0081	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	83.6	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

**Sample Description: B-42 Water**  
**BP Sanborn COC: 192461**  
**2040 Cory Dr - Sanborn, NY**

**LLI Sample # WW 7011181**  
**LLI Group # 1380662**  
**Account # 12495**

**Project Name: BP Sanborn**

Collected: 04/04/2013 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	2.4	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	74.7	1.5	5.0	5
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	2.2	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	14.8 J	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.6	2.6	1
The laboratory control sample analyzed on this sample's batch yielded a recovery of 72%. The method acceptance window is 85% to 115%. Because the 48-hour holding time had lapsed, BOD was not reanalyzed. The above result is reported with client consent.						

## General Sample Comments

State of New York Certification No. 10670

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 14:32	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 14:32	Linda C Pape	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131020025A	04/15/2013 18:30	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131001848009	04/17/2013 02:40	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848009	04/17/2013 02:40	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848009	04/11/2013 09:18	Denise K Connors	1
00224	Chloride	EPA 300.0	1	13095655901B	04/09/2013 17:38	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 14:32	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13095655901B	04/05/2013 14:32	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13095655901B	04/05/2013 14:32	Christopher D Meeks	5
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13101049501A	04/11/2013 06:38	James S Mathiot	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-42 Water  
BP Sanborn COC: 192461  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011181  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-B-42

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400101B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13095023502A	04/05/2013 20:26	Hannah M Royer	1

Sample Description: PW-1 Water  
BP Sanborn COC: 192461  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011182  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-PW1-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	2.1 J	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	1.1 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	220	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.7 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	1.5 J	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	610	10	50	10
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	9.4	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670  
The temperature of the sample bottle(s) upon receipt at the lab was  
7.6 - 8.8 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result



Sample Description: PW-1 Water  
BP Sanborn COC: 192461  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011182  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-PW1-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 14:56	Linda C Pape	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 19:12	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 14:56	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N131001AA	04/10/2013 19:12	Linda C Pape	10

\*=This limit was used in the evaluation of the final result

Sample Description: P-2 Water  
BP Sanborn COC: 192461  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011183  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 14:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-P2--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	2.0	10	2
10335	Bromobenzene	108-86-1	N.D.	2.0	10	2
10335	Bromodichloromethane	75-27-4	N.D.	2.0	10	2
10335	Bromoform	75-25-2	N.D.	2.0	10	2
10335	Bromomethane	74-83-9	N.D.	2.0	10	2
10335	Carbon Tetrachloride	56-23-5	N.D.	2.0	10	2
10335	Chlorobenzene	108-90-7	N.D.	1.6	10	2
10335	Chloroethane	75-00-3	N.D.	2.0	10	2
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4.0	20	2
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	1.6	10	2
10335	Chloromethane	74-87-3	N.D.	2.0	10	2
10335	Dibromochloromethane	124-48-1	N.D.	2.0	10	2
10335	Dibromomethane	74-95-3	N.D.	2.0	10	2
10335	1,2-Dichlorobenzene	95-50-1	N.D.	2.0	10	2
10335	1,3-Dichlorobenzene	541-73-1	N.D.	2.0	10	2
10335	1,4-Dichlorobenzene	106-46-7	N.D.	2.0	10	2
10335	Dichlorodifluoromethane	75-71-8	N.D.	4.0	10	2
10335	1,1-Dichloroethane	75-34-3	81	2.0	10	2
10335	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10335	1,1-Dichloroethene	75-35-4	22	1.6	10	2
10335	cis-1,2-Dichloroethene	156-59-2	640	80	500	100
10335	trans-1,2-Dichloroethene	156-60-5	7.9 J	1.6	10	2
10335	1,2-Dichloropropane	78-87-5	N.D.	2.0	10	2
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.0	10	2
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.0	10	2
10335	Methylene Chloride	75-09-2	N.D.	4.0	10	2
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2.0	10	2
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.0	10	2
10335	Tetrachloroethene	127-18-4	N.D.	1.6	10	2
10335	1,1,1-Trichloroethane	71-55-6	590	80	500	100
10335	1,1,2-Trichloroethane	79-00-5	1.6 J	1.6	10	2
10335	Trichloroethene	79-01-6	6,300	100	500	100
10335	Trichlorofluoromethane	75-69-4	N.D.	4.0	10	2
10335	1,2,3-Trichloropropane	96-18-4	N.D.	2.0	10	2
10335	Vinyl Chloride	75-01-4	18	2.0	10	2

## General Sample Comments

State of New York Certification No. 10670  
The temperature of the sample bottle(s) upon receipt at the lab was  
7.6 - 8.8 C using an IR thermometer.

All QC is compliant unless otherwise noted. Please refer to the Quality  
Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: P-2 Water  
BP Sanborn COC: 192461  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7011183  
LLI Group # 1380662  
Account # 12495

Project Name: BP Sanborn

Collected: 04/04/2013 14:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/05/2013 09:40

BP Corporation

Reported: 04/17/2013 17:05

501 WestLake Park Blvd  
Houston TX 77079

-P2--

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 16:05	Linda C Pape	2
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131001AA	04/10/2013 19:35	Linda C Pape	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131001AA	04/10/2013 16:05	Linda C Pape	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N131001AA	04/10/2013 19:35	Linda C Pape	100

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/17/13 at 05:05 PM

Group Number: 1380662

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: N131001AA	Sample number(s): 7011177-7011183								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	90		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	108		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	112		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	96		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	126		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	106		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	91		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	80		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	112		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	79		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	114		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	106		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	93		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	102		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	118		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	102		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	97		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	107		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	104		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	116		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	83		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	111		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	117		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	101		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	117		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	92		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	94		63-120		
Batch number: 131020025A	Sample number(s): 7011177-7011181								
Ethane	N.D.	1.0	5.0	ug/l	101		80-120		
Ethene	N.D.	1.0	5.0	ug/l	98		80-120		
Methane	N.D.	3.0	5.0	ug/l	100		80-120		
Batch number: 131001848009	Sample number(s): 7011177-7011181								
Iron	N.D.	0.0333	0.200	mg/l	93		90-112		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/17/13 at 05:05 PM

Group Number: 1380662

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Manganese	N.D.	0.00083	0.0050	mg/l	103		90-110		
Batch number: 13095655901B	Sample number(s): 7011177-7011181								
Chloride	N.D.	0.20	0.40	mg/l	98		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	103		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	100		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	103		90-110		
Batch number: 13101049501A	Sample number(s): 7011177-7011181								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	97		86-114		
Batch number: 13095023502A	Sample number(s): 7011177-7011181								
Biochemical Oxygen Demand					72*		85-115		
Batch number: 13105400101B	Sample number(s): 7011177-7011181								
Chemical Oxygen Demand					101		94-110		

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: N131001AA	Sample number(s): 7011177-7011183 UNSPK: P012549								
Benzyl Chloride	80	85	42-131	6	30				
Bromobenzene	95	100	82-115	5	30				
Bromodichloromethane	113	115	78-125	2	30				
Bromoform	107	111	48-118	3	30				
Bromomethane	102	108	47-129	6	30				
Carbon Tetrachloride	142*	140*	72-135	1	30				
Chlorobenzene	107	109	87-124	2	30				
Chloroethane	108	112	51-145	4	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	118	118	81-134	0	30				
Chloromethane	79	85	46-137	7	30				
Dibromochloromethane	114	116	74-116	1	30				
Dibromomethane	109	112	83-119	3	30				
1,2-Dichlorobenzene	99	101	84-119	2	30				
1,3-Dichlorobenzene	99	102	86-121	3	30				
1,4-Dichlorobenzene	97	100	85-121	3	30				
Dichlorodifluoromethane	105	105	52-129	0	30				
1,1-Dichloroethane	107	112	84-129	5	30				
1,2-Dichloroethane	125	124	68-131	0	30				
1,1-Dichloroethene	118	123	75-155	4	30				
cis-1,2-Dichloroethene	-30 (2)	-20 (2)	80-141	0	30				
trans-1,2-Dichloroethene	107	109	81-142	1	30				
1,2-Dichloropropane	96	102	83-124	6	30				
cis-1,3-Dichloropropene	96	104	70-116	9	30				
trans-1,3-Dichloropropene	98	102	74-119	4	30				
Methylene Chloride	104	110	78-133	6	30				
1,1,1,2-Tetrachloroethane	118	123	74-136	4	30				
1,1,2,2-Tetrachloroethane	79	85	72-128	7	30				

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1380662

Reported: 04/17/13 at 05:05 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrachloroethene	119	121	80-128	2	30				
1,1,1-Trichloroethane	130	133	69-140	2	30				
1,1,2-Trichloroethane	97	103	71-141	5	30				
Trichloroethene	113	117	88-133	3	30				
Trichlorofluoromethane	137	137	64-146	0	30				
1,2,3-Trichloropropane	86	89	76-118	4	30				
Vinyl Chloride	-18 (2)	27 (2)	66-133	3	30				
Batch number: 131020025A Sample number(s): 7011177-7011181 UNSPK: P011250									
Ethane	105	113	32-129	7	20				
Ethene	199*	217*	35-162	9	20				
Methane	-3020 (2)	-3240 (2)	35-157	2	20				
Batch number: 131001848009 Sample number(s): 7011177-7011181 UNSPK: P011250 BKG: P011250									
Iron	55 (2)	78 (2)	75-125	0	20	48.2	48.6	1	20
Manganese	39 (2)	22 (2)	75-125	1	20	7.73	7.66	1	20
Batch number: 13095655901B Sample number(s): 7011177-7011181 UNSPK: P010922 BKG: P010922									
Chloride	97		90-110			N.D.	N.D.	0 (1)	20
Nitrate Nitrogen	99		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	98		90-110			N.D.	N.D.	0 (1)	20
Sulfate	99		90-110			N.D.	N.D.	0 (1)	20
Batch number: 13101049501A Sample number(s): 7011177-7011181 UNSPK: P010220 BKG: P010220									
Dissolved Organic Carbon	102		54-135			1.8	1.8	2 (1)	2
Batch number: 13095023502A Sample number(s): 7011177-7011181 UNSPK: P011062 BKG: P010414									
Biochemical Oxygen Demand	96	98	69-139	2	8	307	392	24*	15
Batch number: 13105400101B Sample number(s): 7011177-7011181 UNSPK: 7011181 BKG: 7011181									
Chemical Oxygen Demand	98		90-110			14.8	J N.D.	200* (1)	5

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N131001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7011177	113	101	98	99
7011178	112	103	96	97
7011179	112	99	99	98
7011180	111	99	97	96
7011181	111	100	97	97
7011182	111	103	98	98
7011183	113	100	99	97

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1380662

Reported: 04/17/13 at 05:05 PM

**Surrogate Quality Control**

Blank	106	101	100	100
LCS	105	100	100	103
MS	108	98	100	103
MSD	106	98	101	106

Limits:	80-116	77-113	80-113	78-113
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Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 131020025A

Propene

7011177	93
7011178	86
7011179	84
7011180	89
7011181	88
Blank	100
LCS	104
MS	71
MSD	72

Limits:	42-131
---------	--------

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



bp

rm

12495 / 1380662 / 7011177-84

## Laboratory Management Program LaMP Chain of Custody Record

208612

Page 1 of 4

BP Site Node Path: BP, Sanborn

Req Due Date (mm/dd/yy): Rush TAT: Yes No ☒

BP Facility No:

Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kathleen Plasterer	Lead Regulatory Agency: NYSDDEC	Address: 40 La Riviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Acct:	Enfos Proposal No: D00B4-0004	Phone: (716) 407-4990 Email:
Lab Bottle Order No: 136008	Accounting Mode: 10 Provision OOC-BU OOC-RM	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP <input checked="" type="checkbox"/> Contractor

BP Project Manager (PM): <u>Bill Barber</u>				Matrix				No. Containers / Preservative						Requested Analyses										Report Type & QC Level	
BP PM Phone: <u>(216) 271-8038</u>				Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	COD	BOD	DOC	Methane, Ethane, Ethene, Sulfide, Chloride, Nitrate, Nitrite	Iron + Manganese	Standard _____		Full Data Package _____			
BP PM Email:																				Comments					
Lab No.	Sample Description	Date	Time																						
	B-44	4/4/13	1040				Y	3	X					X											
							Y	1		X					X										
							Y	1	X							X									
							Y	1	X								X								
							Y	2				X						X							
							Y	2	X										X	X					
							Y	1			X														
	B-43		1205				Y	3	X					X											
							Y	1			X				X										
							Y	1	X							X									

Sampler's Name: Richard C Becken	Relinquished By / Affiliation: Richard C Becken O&M	Date: 4/4/13	Time: 1510	Accepted By / Affiliation: Deborah A Neslund UI	Date: 4/5/13	Time: 0940
Sampler's Company: O&M Enterprises Inc.						
Shipment Method: Fed Ex	Ship Date: 4/4/13					
Shipment Tracking No: 801301784601						

## Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes ☒ No ☐ Temp Blank: Yes ☒ No ☐ Cooler Temp on Receipt: 3.2 °F ☒ Trip Blank: Yes ☐ No ☒ MS/MSD Sample Submitted: Yes ☐ No ☒



BP/ARC Project Name: BP, Sanborn

Req Due Date (mm/dd/yy): \_\_\_\_\_

Rush TAT: Yes ☐ No ☒

BP/ARC Facility No: \_\_\_\_\_

Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14120</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kaitlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 Labner Dr. Suite 350 Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>D0084-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor _____

BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative							Requested Analyses										Report Type & QC Level				
EBM Phone: <u>(216) 271-8638</u>																							Standard _____				
EBM Email:																							Full Data Package _____				
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	COD	BOD	DOC	Ethene Methane, Ethane Sulfide	Chloride, Nitrate, Nitrite	Iron + Manganese								Comments
	B-43	4/4/13	1205				1	X									X										
							2				X						X										
							2	X										X									
							1			X									X								
	B-17		0925				3	X					X														
							1		X					X													
							1	X							X												
							1	X								X											
							2				X						X										
							2	X									X										

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: <u>Richard C Becker O+M</u>	Date: <u>4/4/13</u>	Time: <u>1510</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>D+M Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>4/4/13</u>					
Shipment Tracking No: <u>801301784601</u>						
				<u>Deborah A Neslund LG</u>	<u>4/5/13</u>	<u>0940</u>

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes ☒ No ☐ Temp Blank: Yes ☐ No ☒ Cooler Temp on Receipt: 3.2 °F/C Trip Blank: Yes ☐ No ☒ MS/MSD Sample Submitted: Yes ☐ No ☒



rm

12495 / 1380662 / 7011177-84  
**Laboratory Management Program LaMP Chain of Custody Record R211768**

Page 3 of 4

BP Site Node Path: BP, Samborn

Req Due Date (mm/dd/yy): \_\_\_\_\_ Rush TAT: Yes \_\_\_\_\_ No ☒

BP Facility No: \_\_\_\_\_

Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lincolnton Labs</u>	Facility Address: <u>2040 Cary Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster PA 17601</u>	City, State, ZIP Code: <u>Samborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kaitlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 LaRiviere Dr. Suite 350, Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>DOOR34-0004</u>	Phone: <u>716 407-4990</u> Email: _____
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Wilson</u> and to <u>lab.enfosdoc@bp.com</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: <u>BP</u> Contractor _____

BP Project Manager (PM): <u>Bill Barber</u>				Matrix		No. Containers / Preservative		Requested Analyses										Report Type & QC Level	
BP PM Phone: <u>(216) 271-8038</u>																		Standard _____	
BP PM Email: _____																		Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Container	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	COB	BOC	DOC	Methane, Ethane, Ethylene, Propane, Butane, Pentane, Hexane, Heptane, Octane, Nonane, Decane, Undecane, Dodecane, Tridecane, Tetradecane, Pentadecane, Hexadecane, Heptadecane, Octadecane, Nonadecane, Eicosane, H2S, H2, O2, N2, CO, CH4, C2H6, C3H8, C4H10, C5H12, C6H14, C7H16, C8H18, C9H20, C10H22, C11H24, C12H26, C13H28, C14H30, C15H32, C16H34, C17H36, C18H38, C19H40, C20H42	Comments
	B-17	4/4/13	0925					1			X								
	Field Dup #2							3	X					X					
								1		X					X				
								1	X							X			
								1	X								X		
								2			X							X	
								2	X										X
								1			X								X
	B-42		1330					3	X					X					
								1		X					X				

Sampler's Name: <u>Richard C Baker</u>	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>Orion Enterprises Inc.</u>	<u>Richard C Baker Orion</u>		<u>4/4/13</u>	<u>1510</u>	_____			
Shipment Method: <u>Fed Ex</u> Ship Date: <u>4/4/13</u>	_____				_____			
Shipment Tracking No: <u>801301784601</u>	_____				<u>Deloranda Neslund LLC</u>		<u>4/5/13</u>	<u>0940</u>

Special Instructions: \_\_\_\_\_

THIS LINE - LAB USE ONLY: Custody Seals In Place: ☒ Yes ☐ No Temp Blank: ☒ Yes ☐ No Cooler Temp on Receipt: 3.2 °F (37) Trip Blank: ☒ Yes ☐ No MS/MSD Sample Submitted: Yes ☒ No

**Rush TAT:** Yes      No ☒

BP/ARC LAMP COC Rev. 6 01/01/2009

③ 4/5/12

Environmental Sample Administration  
Receipt Documentation Log

1380662

Client/Project: BP SanbornShipping Container Sealed: (YES) NODate of Receipt: 4/5/13Custody Seal Present \* : (YES) NOTime of Receipt: 0940\* Custody seal was intact unless otherwise noted in the  
discrepancy sectionSource Code: 50-1Package: (Chilled) Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	2783	3.2	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

## Paperwork Discrepancy/Unpacking Problems:

Rec'd x1 HPL vial rec'd broken (B-42) @ UTUnpacker Signature/Emp#: [Signature] / 208 Date/Time: 4/5/13 0955

Issued by Dept. 6042 Management

2174.06

Environmental Sample Administration  
Receipt Documentation Log

1380662

Client/Project: Atlantic RichfieldShipping Container Sealed: YES NODate of Receipt: 4/5/13Custody Seal Present \*: YES NOTime of Receipt: 0940\* Custody seal was intact unless otherwise noted in the  
discrepancy sectionSource Code: 50-1Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	1396	7.6	ST	WI	Y	B	8.1 7.6 8.4 8.1 8.8
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

## Paperwork Discrepancy/Unpacking Problems:

• contained PW-1, P-2, Field Dup #2, 2 trip blanks

Unpacker Signature/Emp#: C. Eshel 3647Date/Time: 4/5/13 1030

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Atlantic Richfield(Parsons-NY)  
BP Corporation  
501 WestLake Park Blvd  
Houston TX 77079

April 17, 2013

Project: BP Sanborn

Submittal Date: 04/09/2013

Group Number: 1381449

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionLancaster Labs (LLI) #

B-23 Water	7015024
B-6 Water	7015025
B-24 Water	7015026
B-24 MS Water	7015027
B-24 MSD Water	7015028
B-56 Water	7015029
B-57 Water	7015030
B-8 Water	7015031
B-9 Water	7015032
Field Dup #3 Water	7015033
Tank #2 Water	7015034

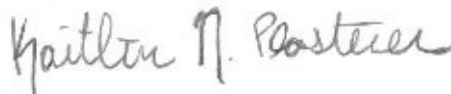
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC     Parsons  
COPY TO  
ELECTRONIC     Parsons  
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323



Project Name: BP Sanborn  
LLI Group #: 1381449

**General Comments:**

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Trip blank vials were not received by the laboratory for this sample group.

**Analysis Specific Comments:****SW-846 8260B, GC/MS Volatiles**

Batch #: W131012AA (Sample number(s): 7015024-7015030 UNSPK: 7015026)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Dichlorodifluoromethane, Carbon Tetrachloride, cis-1,3-Dichloropropene

**RKSOP-175 modified, GC Miscellaneous**

Batch #: 131060003A (Sample number(s): 7015024, 7015031 UNSPK: P12426)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methane

**EPA 300.0, Wet Chemistry**

Batch #: 13099655901A (Sample number(s): 7015024, 7015031 UNSPK: P5388 BKG: P5388)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Nitrate Nitrogen

Sample #s: 7015031

Reporting limits were raised due to interference from the sample matrix.

**EPA 410.4, Wet Chemistry**

Batch #: 13105400102B (Sample number(s): 7015024, 7015031 UNSPK: P15219 BKG: P15219)

The recovery(ies) for the following analyte(s) in the MS was outside the acceptance window: Chemical Oxygen Demand

**Sample Description:** B-23 Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015024  
LLI Group # 1381449  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/08/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	220	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	3.7 J	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	28	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	1.09	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0289	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	70.3	4.0	8.0	20

\*=This limit was used in the evaluation of the final result

Sample Description: B-23 Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015024  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	233	6.0	20.0	20
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	1.9	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	N.D.	5.4	5.4	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 10:49	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 10:49	Emily R Styer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131060003A	04/16/2013 16:26	Nicholas R Rossi	1
01754	Iron	SW-846 6010B	1	131001848010	04/17/2013 03:34	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848010	04/17/2013 03:34	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848010	04/11/2013 09:35	Denise K Connors	1
00224	Chloride	EPA 300.0	1	13099655901A	04/10/2013 14:33	Christopher D Meeks	20
00368	Nitrate Nitrogen	EPA 300.0	1	13099655901A	04/09/2013 22:12	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13099655901A	04/09/2013 22:12	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13099655901A	04/10/2013 14:33	Christopher D Meeks	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13106049501A	04/16/2013 03:21	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400102B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13100023501A	04/10/2013 07:46	Susan E Hibner	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-6 Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015025  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	23	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	0.80 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	220	10	50	10
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-6 Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015025  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB06

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 11:13	Emily R Styer	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 12:33	Christopher G Torres	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 11:13	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W131051AA	04/15/2013 12:33	Christopher G Torres	10

\*=This limit was used in the evaluation of the final result

Sample Description: B-24 Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015026  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd

Houston TX 77079

SNB24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	2.1 J	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	5.2	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-24 Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015026  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB24

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 11:37	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 11:37	Emily R Styer	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-24 MS Water  
 BP Sanborn COC: 192467  
 2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015027  
 LLI Group # 1381449  
 Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
 Houston TX 77079

SNB24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	14	1.0	5.0	1
10335	Bromobenzene	108-86-1	22	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	24	1.0	5.0	1
10335	Bromoform	75-25-2	18	1.0	5.0	1
10335	Bromomethane	74-83-9	19	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	27	1.0	5.0	1
10335	Chlorobenzene	108-90-7	23	0.80	5.0	1
10335	Chloroethane	75-00-3	18	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	18	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	24	0.80	5.0	1
10335	Chloromethane	74-87-3	21	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	22	1.0	5.0	1
10335	Dibromomethane	74-95-3	24	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	22	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	22	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	27	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	25	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	26	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	26	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	28	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	25	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	23	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	24	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
10335	Methylene Chloride	75-09-2	23	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	25	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	26	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10335	Trichloroethene	79-01-6	32	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	29	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	22	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result



Sample Description: B-24 MS Water  
BP Sanborn COC: 192467  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015027  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB24

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 12:01	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 12:01	Emily R Styer	1

Sample Description: B-24 MSD Water  
 BP Sanborn COC: 192466  
 2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015028  
 LLI Group # 1381449  
 Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
 Houston TX 77079

SNB24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	14	1.0	5.0	1
10335	Bromobenzene	108-86-1	20	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10335	Bromoform	75-25-2	17	1.0	5.0	1
10335	Bromomethane	74-83-9	18	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	25	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	0.80	5.0	1
10335	Chloroethane	75-00-3	17	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	22	0.80	5.0	1
10335	Chloromethane	74-87-3	20	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	21	1.0	5.0	1
10335	Dibromomethane	74-95-3	22	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	25	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	24	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	25	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	23	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	18	1.0	5.0	1
10335	Methylene Chloride	75-09-2	22	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	21	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	18	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	30	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	26	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	21	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-24 MSD Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015028  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB24

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 12:24	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 12:24	Emily R Styer	1

Sample Description: B-56 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015029  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	27	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	0.97 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	110	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-56 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015029  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB56

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 13:12	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 13:12	Emily R Styer	1

Sample Description: B-57 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015030  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd

Houston TX 77079

SNB57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-57 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015030  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB57

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131012AA	04/11/2013 13:36	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131012AA	04/11/2013 13:36	Emily R Styer	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-8 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015031  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	10	50	10
10335	Bromobenzene	108-86-1	N.D.	10	50	10
10335	Bromodichloromethane	75-27-4	N.D.	10	50	10
10335	Bromoform	75-25-2	N.D.	10	50	10
10335	Bromomethane	74-83-9	N.D.	10	50	10
10335	Carbon Tetrachloride	56-23-5	N.D.	10	50	10
10335	Chlorobenzene	108-90-7	N.D.	8.0	50	10
10335	Chloroethane	75-00-3	N.D.	10	50	10
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	20	100	10
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	8.0	50	10
10335	Chloromethane	74-87-3	N.D.	10	50	10
10335	Dibromochloromethane	124-48-1	N.D.	10	50	10
10335	Dibromomethane	74-95-3	N.D.	10	50	10
10335	1,2-Dichlorobenzene	95-50-1	N.D.	10	50	10
10335	1,3-Dichlorobenzene	541-73-1	N.D.	10	50	10
10335	1,4-Dichlorobenzene	106-46-7	N.D.	10	50	10
10335	Dichlorodifluoromethane	75-71-8	N.D.	20	50	10
10335	1,1-Dichloroethane	75-34-3	N.D.	10	50	10
10335	1,2-Dichloroethane	107-06-2	N.D.	10	50	10
10335	1,1-Dichloroethene	75-35-4	N.D.	8.0	50	10
10335	cis-1,2-Dichloroethene	156-59-2	760	8.0	50	10
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	8.0	50	10
10335	1,2-Dichloropropane	78-87-5	N.D.	10	50	10
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	10	50	10
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	10	50	10
10335	Methylene Chloride	75-09-2	N.D.	20	50	10
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10	50	10
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10	50	10
10335	Tetrachloroethene	127-18-4	N.D.	8.0	50	10
10335	1,1,1-Trichloroethane	71-55-6	N.D.	8.0	50	10
10335	1,1,2-Trichloroethane	79-00-5	N.D.	8.0	50	10
10335	Trichloroethene	79-01-6	20,000	100	500	100
10335	Trichlorofluoromethane	75-69-4	N.D.	20	50	10
10335	1,2,3-Trichloropropane	96-18-4	N.D.	10	50	10
10335	Vinyl Chloride	75-01-4	N.D.	10	50	10
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	2.6 J	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	19	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	3.70	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0411	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
00224	Chloride	16887-00-6	200	40.0	80.0	200

\*=This limit was used in the evaluation of the final result



**Sample Description:** B-8 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015031  
LLI Group # 1381449  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/08/2013 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	1.1	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	16.0	20.0	200
Reporting limits were raised due to interference from the sample matrix.						
00228	Sulfate	14808-79-8	79.8	6.0	20.0	20
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	2.3	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	19.4 J	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	N.D.	5.5	5.5	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 12:57	Christopher G Torres	10
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 13:21	Christopher G Torres	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131051AA	04/15/2013 12:57	Christopher G Torres	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W131051AA	04/15/2013 13:21	Christopher G Torres	100
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131060003A	04/16/2013 15:39	Nicholas R Rossi	1
01754	Iron	SW-846 6010B	1	131001848010	04/17/2013 03:38	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	131001848010	04/17/2013 03:38	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131001848010	04/11/2013 09:35	Denise K Connors	1
00224	Chloride	EPA 300.0	1	13099655901A	04/09/2013 22:42	Christopher D Meeks	200
00368	Nitrate Nitrogen	EPA 300.0	1	13099655901A	04/09/2013 22:27	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13099655901A	04/09/2013 22:42	Christopher D Meeks	200

\*=This limit was used in the evaluation of the final result

Sample Description: B-8 Water  
BP Sanborn COC: 192466  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015031  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB08

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	13099655901A	04/10/2013 14:48	Christopher D Meeks	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13106049501A	04/16/2013 03:37	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13105400102B	04/15/2013 08:10	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13100023501A	04/10/2013 07:46	Susan E Hibner	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-9 Water  
BP Sanborn COC: 192465  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015032  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-9 Water  
BP Sanborn COC: 192465  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015032  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNB09

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 07:23	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131051AA	04/15/2013 07:23	Christopher G Torres	1

Sample Description: Field Dup #3 Water  
BP Sanborn COC: 192465  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015033  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNBD3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: Field Dup #3 Water  
BP Sanborn COC: 192465  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015033  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNBD3

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 07:47	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131051AA	04/15/2013 07:47	Christopher G Torres	1

\*=This limit was used in the evaluation of the final result

Sample Description: Tank #2 Water  
BP Sanborn COC: 192465  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015034  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNBT2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	1.1 J	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	46	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	300	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.4 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	3.9 J	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	5.3	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	780	10	50	10
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	30	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

Trip blank vials were not received by the laboratory for this sample group.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: Tank #2 Water  
BP Sanborn COC: 192465  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7015034  
LLI Group # 1381449  
Account # 12495

Project Name: BP Sanborn

Collected: 04/08/2013 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/09/2013 09:25

BP Corporation

Reported: 04/17/2013 16:43

501 WestLake Park Blvd  
Houston TX 77079

SNBT2

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 11:22	Christopher G Torres	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W131051AA	04/15/2013 11:46	Christopher G Torres	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W131051AA	04/15/2013 11:22	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W131051AA	04/15/2013 11:46	Christopher G Torres	10

\*=This limit was used in the evaluation of the final result



## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/17/13 at 04:43 PM

Group Number: 1381449

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: W131012AA	Sample number(s): 7015024-7015030								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	65	71	49-120	10	30
Bromobenzene	N.D.	1.0	5.0	ug/l	94	105	80-120	11	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	104	114	73-120	8	30
Bromoform	N.D.	1.0	5.0	ug/l	80	86	61-120	7	30
Bromomethane	N.D.	1.0	5.0	ug/l	73	82	51-120	12	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103	115	65-137	11	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	98	106	80-120	8	30
Chloroethane	N.D.	1.0	5.0	ug/l	69	78	60-120	12	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	74	84	52-127	13	30
Chloroform	N.D.	0.80	5.0	ug/l	104	113	77-122	8	30
Chloromethane	N.D.	1.0	5.0	ug/l	74	81	54-123	9	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	97	105	72-120	9	30
Dibromomethane	N.D.	1.0	5.0	ug/l	104	116	80-120	10	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92	103	80-120	11	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94	103	80-120	9	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92	103	80-120	11	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	67	72	35-122	7	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	101	114	79-120	12	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	113	127	64-130	12	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	100	110	76-124	9	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	107	116	80-120	8	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103	114	80-120	11	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98	109	80-120	10	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	101	115	78-120	12	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	87	93	66-124	7	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	100	109	84-118	9	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96	103	79-120	6	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	85	94	70-129	10	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	95	105	79-120	10	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	103	115	66-126	11	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96	102	80-120	7	30
Trichloroethene	N.D.	1.0	5.0	ug/l	108	118	80-120	10	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	95	106	65-130	11	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	90	98	76-120	8	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	82	91	63-120	10	30
Batch number: W131051AA	Sample number(s): 7015025,7015031-7015034								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	73	78	49-120	6	30
Bromobenzene	N.D.	1.0	5.0	ug/l	97	107	80-120	9	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	100	105	73-120	5	30
Bromoform	N.D.	1.0	5.0	ug/l	83	88	61-120	5	30
Bromomethane	N.D.	1.0	5.0	ug/l	73	76	51-120	5	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	98	105	65-137	7	30

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1381449

Reported: 04/17/13 at 04:43 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chlorobenzene	N.D.	0.80	5.0	ug/l	99	107	80-120	8	30
Chloroethane	N.D.	1.0	5.0	ug/l	74	81	60-120	9	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	73	81	52-127	11	30
Chloroform	N.D.	0.80	5.0	ug/l	94	104	77-122	11	30
Chloromethane	N.D.	1.0	5.0	ug/l	80	84	54-123	5	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	99	105	72-120	6	30
Dibromomethane	N.D.	1.0	5.0	ug/l	97	103	80-120	6	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98	106	80-120	8	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96	106	80-120	9	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97	105	80-120	8	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	71	74	35-122	4	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	97	107	79-120	10	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	105	113	64-130	7	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	99	108	76-124	9	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103	112	80-120	9	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99	108	80-120	9	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	96	103	80-120	7	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	102	111	78-120	9	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93	99	66-124	7	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	99	104	84-118	5	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96	104	79-120	8	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	91	98	70-129	8	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	97	107	79-120	9	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	93	101	66-126	8	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	95	102	80-120	8	30
Trichloroethene	N.D.	1.0	5.0	ug/l	102	110	80-120	7	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	88	95	65-130	8	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	90	100	76-120	10	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	86	93	63-120	7	30

Batch number: 131060003A

Sample number(s): 7015024,7015031

Ethane	N.D.	1.0	5.0	ug/l	83		80-120		
Ethene	N.D.	1.0	5.0	ug/l	82		80-120		
Methane	N.D.	3.0	5.0	ug/l	89		80-120		

Batch number: 131001848010

Sample number(s): 7015024,7015031

Iron	N.D.	0.0333	0.200	mg/l	98		90-112		
Manganese	N.D.	0.00083	0.0050	mg/l	99		90-110		

Batch number: 13099655901A

Sample number(s): 7015024,7015031

Chloride	N.D.	0.20	0.40	mg/l	96		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	98		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	99		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	102		90-110		

Batch number: 13106049501A

Sample number(s): 7015024,7015031

Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	99		86-114		
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Batch number: 13100023501A

Sample number(s): 7015024,7015031

Biochemical Oxygen Demand					104		85-115		
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Batch number: 13105400102B

Sample number(s): 7015024,7015031

Chemical Oxygen Demand					99		94-110		
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\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/17/13 at 04:43 PM

Group Number: 1381449

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike  
Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: W131012AA	Sample number(s): 7015024-7015030 UNSPK: 7015026								
Benzyl Chloride	72	68	42-131	6	30				
Bromobenzene	109	100	82-115	9	30				
Bromodichloromethane	120	111	78-125	8	30				
Bromoform	90	83	48-118	8	30				
Bromomethane	93	88	47-129	6	30				
Carbon Tetrachloride	137*	125	72-135	9	30				
Chlorobenzene	117	107	87-124	9	30				
Chloroethane	90	86	51-145	5	30				
2-Chloroethyl Vinyl Ether	89	84	10-151	6	30				
Chloroform	121	112	81-134	8	30				
Chloromethane	105	98	46-137	7	30				
Dibromochloromethane	112	103	74-116	8	30				
Dibromomethane	118	109	83-119	8	30				
1,2-Dichlorobenzene	107	101	84-119	6	30				
1,3-Dichlorobenzene	109	100	86-121	9	30				
1,4-Dichlorobenzene	108	101	85-121	7	30				
Dichlorodifluoromethane	134*	126	52-129	7	30				
1,1-Dichloroethane	123	111	84-129	10	30				
1,2-Dichloroethane	130	119	68-131	9	30				
1,1-Dichloroethene	132	123	75-155	7	30				
cis-1,2-Dichloroethene	127	116	80-141	8	30				
trans-1,2-Dichloroethene	127	120	81-142	6	30				
1,2-Dichloropropane	115	106	83-124	8	30				
cis-1,3-Dichloropropene	121*	113	70-116	7	30				
trans-1,3-Dichloropropene	99	91	74-119	9	30				
Methylene Chloride	117	108	78-133	8	30				
1,1,1,2-Tetrachloroethane	112	104	74-136	8	30				
1,1,2,2-Tetrachloroethane	94	88	72-128	7	30				
Tetrachloroethene	124	117	80-128	6	30				
1,1,1-Trichloroethane	128	118	69-140	8	30				
1,1,2-Trichloroethane	107	99	71-141	8	30				
Trichloroethene	133	122	88-133	7	30				
Trichlorofluoromethane	143	131	64-146	9	30				
1,2,3-Trichloropropane	98	90	76-118	8	30				
Vinyl Chloride	112	106	66-133	6	30				
Batch number: 131060003A	Sample number(s): 7015024,7015031 UNSPK: P012426								
Ethane	75	76	32-129	1	20				
Ethene	90	90	35-162	0	20				
Methane	-2749 (2)	-2807 (2)	35-157	1	20				
Batch number: 131001848010	Sample number(s): 7015024,7015031 UNSPK: P015039 BKG: P015039								
Iron	97	96	75-125	1	20	N.D.	N.D.	0 (1)	20
Manganese	98	98	75-125	0	20	0.292	0.294	1	20
Batch number: 13099655901A	Sample number(s): 7015024,7015031 UNSPK: P005388 BKG: P005388								
Chloride	91		90-110		0.45	0.45		1 (1)	20
Nitrate Nitrogen	95		90-110		N.D.	0.060	J	200* (1)	20

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1381449

Reported: 04/17/13 at 04:43 PM

### Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup</u> <u>RPD</u> <u>Max</u>
Nitrite Nitrogen	91		90-110		4.0	4.1	0	20
Sulfate	97		90-110		N.D.	N.D.	0 (1)	20
Batch number: 13106049501A	Sample number(s): 7015024,7015031 UNSPK: P016198 BKG: P016198							
Dissolved Organic Carbon	105		54-135		1.9	1.9	1 (1)	2
Batch number: 13100023501A	Sample number(s): 7015024,7015031 UNSPK: 7015031 BKG: P013324							
Biochemical Oxygen Demand	107	107	69-139	0	8	12.6	12.1	4 (1)
Batch number: 13105400102B	Sample number(s): 7015024,7015031 UNSPK: P015219 BKG: P015219							
Chemical Oxygen Demand	87*		90-110		3,850	3,760	2	5

### Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260

Batch number: W131012AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7015024	110	103	95	93
7015025	110	107	94	94
7015026	110	108	93	92
7015027	109	105	98	99
7015028	107	104	97	99
7015029	111	108	95	92
7015030	111	106	94	94
Blank	111	104	93	91
LCS	108	105	95	98
LCSD	107	106	94	97
MS	109	105	98	99
MSD	107	104	97	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: W131051AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7015031	106	104	98	93
7015032	102	101	99	93
7015033	105	106	98	91
7015034	104	105	99	94
Blank	101	103	100	95
LCS	102	104	101	98
LCSD	102	103	100	98
Limits:	80-116	77-113	80-113	78-113

\*- Outside of specification

\*\*This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1381449

Reported: 04/17/13 at 04:43 PM

**Surrogate Quality Control**

Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 131060003A

Propene

7015024	83
7015031	59
Blank	104
LCS	104
MS	54
MSD	54

Limits: 42-131

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

BP/ARC Project Name: BP, Sanborn

Req Due Date (mm/dd/yy): \_\_\_\_\_

Rush TAT: Yes \_\_\_\_\_ No ☒

BP/ARC Facility No: \_\_\_\_\_

Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr</u>	Consultant/Contractor: <u>Pearsons</u>
Lab Address: <u>2475 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kathleen Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 La Riviere Dr Suite 350 Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2306</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>DOORBY-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: <u>BP/ARC</u> Contractor _____

BP/ARC EBM: <u>William Barker</u>				Matrix		No. Containers / Preservative							Requested Analyses							Report Type & QC Level		
EBM Phone: <u>(216) 271-8038</u>								Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	COD	BOD	DOC	<u>Methane, Ethane, Ethene, Silane</u>	<u>Chloride, Nitrate, Sulfate</u>	<u>Iron + Manganese</u>	Standard _____	
EBM Email:																					Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor															Comments	
	<u>B-23</u>	<u>4/8/13</u>	<u>1200</u>				3	X						X								
							1		X					X								
							1	X							X							
							1	X								X						
							2				X						X					
							2	X										X				
							1			X									X			
	<u>B-6</u>		<u>1240</u>				3	X						X								
	<u>B-24</u>		<u>1030</u>				3	X						*								
	<u>B-24ms</u>		<u>1030</u>				3	X						*								
																					# ANALYSIS PER	
																					E-FELTER. KNP 4/10/13	

Sampler's Name: <u>Richard C Barker</u>	Relinquished By / Affiliation: <u>Richard C Barker</u> <u>QAM</u>	Date: <u>4/8/13</u>	Time: <u>1530</u>	Accepted By / Affiliation: <u>Bruno Th</u>	Date: <u>4-9-13</u>	Time: <u>925</u>
Sampler's Company: <u>QAM Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>4/8/13</u>					
Shipment Tracking No: <u>801301784597</u>						
Special Instructions: _____						
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No _____ Temp Blank: Yes / No _____ Cooler Temp on Receipt: <u>5.7</u> °FC _____ Trip Blank: Yes / No _____ MS/MSD Sample Submitted: Yes / No _____						

BP/ARC Project Name: BP Sarborn

Req Due Date (mm/dd/yy): \_\_\_\_\_

Rush TAT: Yes ☐ No ☒

BP/ARC Facility No: \_\_\_\_\_

Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>				BP/ARC Facility Address: <u>2040 Cay Dr</u>				Consultant/Contractor: <u>Parsons</u>			
Lab Address: <u>285 New Holland Pike, Lancaster PA 17601</u>				City, State, ZIP Code: <u>Sarborn, NY 14132</u>				Consultant/Contractor Project No: _____			
Lab PM: <u>Kathleen Plasterer</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 LaRue Dr Suite 350 Buffalo, NY 14202</u>			
Lab Phone: <u>(717) 656-2300</u>				California Global ID No.: _____				Consultant/Contractor PM: <u>George Hernandez</u>			
Lab Shipping Acct: _____				Enfos Proposal No: <u>DO084-0004</u>				Phone: <u>(716) 407-4990</u>			
Lab Bottle Order No: <u>136008</u>				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u>			
Other Info: _____				Stage: <u>60</u> Activity: <u>81</u>				Invoice To: BP/ARC _____ Contractor _____			

BP/ARC EBM: <u>William Barber</u>				Matrix		No. Containers / Preservative						Requested Analyses						Report Type & QC Level			
EBM Phone: <u>(216) 271-9058</u>																		Standard _____			
EBM Email: _____																		Full Data Package _____			
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	601	8260	DOC	Methane Ethane Ethane	Swiss	Chloride Nitrate Nitrite	Iron + Manganese	Comments
	B-24 MSD	4/8/13	1030				3	X					X								
	B-56		0945				3	X					X								
	B-57		1040				3	X					X								
	B-8		1350				3	X					X								
			PER BOTTLE LABELS				1		X					X							
			4/8/13				1	X							X						
							1	X								X					
							2				X					X					
							2	X									X				
							1		X									X			

Sampler's Name: <u>Richard C Barber</u>		Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: <u>ORM Enterprises Inc</u>		<u>Richard C Barber</u> ORN		4/8/13	1030				
Shipment Method: <u>Fed Ex</u> Ship Date: <u>4/8/13</u>									
Shipment Tracking No: <u>801301784597</u>						<u>Bunny Mc UI</u>		4-9-13	925

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No

Temp Blank: Yes / No

Cooler Temp on Receipt: 5.7 °F/C

Trip Blank: Yes / No

MS/MSD Sample Submitted: Yes / No

BP/ARC Project Name: BP, Sanborn  
BP/ARC Facility No: \_\_\_\_\_

Req Due Date (mm/dd/yy): \_\_\_\_\_ Rush TAT: Yes \_\_\_\_\_ No ☒  
Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kathlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDDEC</u>	Address: <u>40 Lakewood Dr. Suite 350 Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hernandez</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>D0084-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Corraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: <u>BP/ARC</u> Contractor: _____

BP/ARC EBM: William Barber				Matrix		No. Containers / Preservative							Requested Analyses							Report Type & QC Level	
EBM Phone: (216) 271-8038																				Standard ____	
EBM Email:																				Full Data Package ____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	COD	BOD	DOC	Methane, Ethane, Ethylene, Propane, Butane	Chloride, Nitrate, Nitrite	Iron + Manganese	Comments	
	B-9	4/8/13	1430	X			3	X					X								Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
	Field Dig # 3	4/8/13		X			3	X					X								
	Tank # 2	4/8/13	1445	X			3	X					*								
			PER BOTTLE LABELS 4/8/13																		
																					* ANALYSIS PER
																					E-FILTER - VNP 4/8

Sampler's Name: <u>Richard C Barber</u>	Relinquished By / Affiliation: <u>Richard C Barber O&amp;M</u>	Date: <u>4/8/13</u>	Time: <u>1530</u>	Accepted By / Affiliation: <u>Burton H. Lee</u>	Date: <u>4.9.13</u>	Time: <u>925</u>
Sampler's Company: <u>O&amp;M Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: _____					
Shipment Tracking No: <u>801301784597</u>						

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No	Temp Blank: Yes / No	Cooler Temp on Receipt: <u>5.7</u> °C	Trip Blank: Yes / No	MS/MSD Sample Submitted: Yes / No
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Environmental Sample Administration  
Receipt Documentation LogClient/Project: ParsonsShipping Container Sealed: YES NODate of Receipt: 4.9.13Custody Seal Present \* : YES NOTime of Receipt: 925\* Custody seal was intact unless otherwise noted in the  
discrepancy sectionSource Code: 50-1Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	2937	5.7	TB	WI	X	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 0

## Paperwork Discrepancy/Unpacking Problems:

B8 Time = 1350Tank 2 Time = 1445

Unpacker Signature/Emp#:

Brunny H 2249

Date/Time:

4.9.13 934

Issued by Dept. 6042 Management

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

Atlantic Richfield(Parsons-NY)  
BP Corporation  
501 WestLake Park Blvd  
Houston TX 77079

April 22, 2013

Project: BP Sanborn

Submittal Date: 04/10/2013

Group Number: 1381737

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-22 Water  
B-22 MS Water  
B-22 MSD Water  
B-22 DUP Water  
B-21 Water  
B-28 Water  
B-38 Water  
Quarry WaterLancaster Labs (LLI) #7016198  
7016199  
7016200  
7016201  
7016202  
7016203  
7016204  
7016205

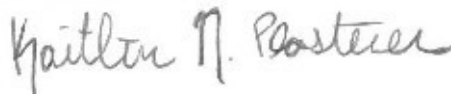
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC     Parsons  
COPY TO  
ELECTRONIC     Parsons  
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

---

Project Name: BP Sanborn  
LLI Group #: 1381737

**General Comments:**

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Project specific QC samples are included in this data set

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

**Analysis Specific Comments:**

No additional comments are necessary.

**Sample Description:** B-22 Water  
 BP Sanborn COC: 192468  
 2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016198  
 LLI Group # 1381737  
 Account # 12495

**Project Name:** BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
 Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	40	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	9.1	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	8.8	1.0	5.0	1
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	1.02	0.0333	0.200	1
07058	Manganese	7439-96-5	0.0509	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
00224	Chloride	16887-00-6	70.7	10.0	20.0	50

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-22 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016198  
LLI Group # 1381737  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry EPA 300.0</b>						
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	327	15.0	50.0	50
<b>EPA 415.1 modified</b>						
07547	Dissolved Organic Carbon	n.a.	1.9	0.50	1.0	1
<b>EPA 410.4</b>						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
<b>SM 5210 B-2001</b>						
00235	Biochemical Oxygen Demand	n.a.	N.D.	4.5	4.5	1

## General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 20:40	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 20:40	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131090002A	04/19/2013 10:05	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	2	131021848004	04/17/2013 16:45	Katlin N Cataldi	1
07058	Manganese	SW-846 6010B	1	131021848004	04/16/2013 18:32	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131021848004	04/15/2013 08:48	James L Mertz	1
00224	Chloride	EPA 300.0	1	13100655601A	04/12/2013 15:53	Christopher D Meeks	50
00368	Nitrate Nitrogen	EPA 300.0	1	13100655601A	04/10/2013 13:32	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13100655601A	04/10/2013 13:32	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13100655601A	04/12/2013 15:53	Christopher D Meeks	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13106049501A	04/16/2013 04:38	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13109400101A	04/19/2013 10:05	Susan A Engle	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-22 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016198  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13100023502A	04/10/2013 18:46	Hannah M Royer	1



Sample Description: B-22 MS Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016199  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS Volatiles SW-846 8260B</b>						
10335	Benzyl Chloride	100-44-7	16	1.0	5.0	1
10335	Bromobenzene	108-86-1	19	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	18	1.0	5.0	1
10335	Bromoform	75-25-2	15	1.0	5.0	1
10335	Bromomethane	74-83-9	17	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	20	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	0.80	5.0	1
10335	Chloroethane	75-00-3	17	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	19	0.80	5.0	1
10335	Chloromethane	74-87-3	22	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10335	Dibromomethane	74-95-3	19	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	19	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	19	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	19	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	18	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	21	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	61	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	20	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	16	1.0	5.0	1
10335	Methylene Chloride	75-09-2	19	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	21	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	17	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	30	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	18	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	27	1.0	5.0	1
<b>GC Miscellaneous RSKSOP-175 modified</b>						
07105	Ethane	74-84-0	43	1.0	5.0	1
07105	Ethene	74-85-1	49	1.0	5.0	1
07105	Methane	74-82-8	46	3.0	5.0	1
<b>Metals SW-846 6010B</b>						
01754	Iron	7439-89-6	2.05	0.0333	0.200	1
07058	Manganese	7439-96-5	0.561	0.00083	0.0050	1
<b>Wet Chemistry EPA 300.0</b>						
00224	Chloride	16887-00-6	267	20.0	40.0	100

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-22 MS Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016199  
LLI Group # 1381737  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Wet Chemistry</b>		<b>EPA 300.0</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00368	Nitrate Nitrogen	14797-55-8	9.9	0.50	1.0	10
01506	Nitrite Nitrogen	14797-65-0	9.2	0.80	1.0	10
00228	Sulfate	14808-79-8	847	30.0	100	100
		<b>EPA 415.1 modified</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
07547	Dissolved Organic Carbon	n.a.	12.4	0.50	1.0	1
		<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
04001	Chemical Oxygen Demand	n.a.	392	12.8	50.0	1
		<b>SM 5210 B-2001</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>	
00235	Biochemical Oxygen Demand	n.a.	46.4	0.80	3.0	1

## General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 21:00	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 21:00	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131090002A	04/19/2013 10:23	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131021848004	04/16/2013 18:46	John P Hook	1
07058	Manganese	SW-846 6010B	1	131021848004	04/16/2013 18:46	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131021848004	04/15/2013 08:48	James L Mertz	1
00224	Chloride	EPA 300.0	1	13100655601A	04/12/2013 16:27	Christopher D Meeks	100
00368	Nitrate Nitrogen	EPA 300.0	1	13100655601A	04/10/2013 14:02	Christopher D Meeks	10
01506	Nitrite Nitrogen	EPA 300.0	1	13100655601A	04/10/2013 14:02	Christopher D Meeks	10
00228	Sulfate	EPA 300.0	1	13100655601A	04/12/2013 16:27	Christopher D Meeks	100
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13106049501A	04/16/2013 04:54	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13109400101A	04/19/2013 10:05	Susan A Engle	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-22 MS Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016199  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13100023502A	04/10/2013 18:46	Hannah M Royer	1

Sample Description: B-22 MSD Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016200  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>GC/MS</b>	<b>Volatiles</b>	<b>SW-846 8260B</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
10335	Benzyl Chloride	100-44-7	16	1.0	5.0	1
10335	Bromobenzene	108-86-1	19	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	19	1.0	5.0	1
10335	Bromoform	75-25-2	15	1.0	5.0	1
10335	Bromomethane	74-83-9	17	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	20	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	0.80	5.0	1
10335	Chloroethane	75-00-3	17	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	18	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	19	0.80	5.0	1
10335	Chloromethane	74-87-3	22	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10335	Dibromomethane	74-95-3	19	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	19	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	19	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	19	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	21	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	61	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	17	1.0	5.0	1
10335	Methylene Chloride	75-09-2	19	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	21	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	18	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10335	Trichloroethene	79-01-6	31	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	18	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	27	1.0	5.0	1
<b>GC</b>	<b>Miscellaneous</b>	<b>RSKSOP-175 modified</b>	<b>ug/l</b>	<b>ug/l</b>	<b>ug/l</b>	
07105	Ethane	74-84-0	40	1.0	5.0	1
07105	Ethene	74-85-1	45	1.0	5.0	1
07105	Methane	74-82-8	42	3.0	5.0	1
<b>Metals</b>	<b>SW-846 6010B</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
01754	Iron	7439-89-6	2.09	0.0333	0.200	1
07058	Manganese	7439-96-5	0.561	0.00083	0.0050	1
<b>Wet Chemistry</b>	<b>EPA 410.4</b>	<b>mg/l</b>	<b>mg/l</b>	<b>mg/l</b>		
04001	Chemical Oxygen Demand	n.a.	397	12.8	50.0	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-22 MSD Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016200  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
00235	Biochemical Oxygen Demand	SM 5210 B-2001 n.a.	mg/l 44.5	mg/l 0.80	mg/l 3.0	1

## General Sample Comments

State of New York Certification No. 10670  
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 21:21	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 21:21	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	131090002A	04/19/2013 10:41	Elizabeth J Marin	1
01754	Iron	SW-846 6010B	1	131021848004	04/16/2013 18:50	John P Hook	1
07058	Manganese	SW-846 6010B	1	131021848004	04/16/2013 18:50	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131021848004	04/15/2013 08:48	James L Mertz	1
04001	Chemical Oxygen Demand	EPA 410.4	1	13109400101A	04/19/2013 10:05	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13100023502A	04/10/2013 18:46	Hannah M Royer	1

\*=This limit was used in the evaluation of the final result

**Sample Description:** B-22 DUP Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016201  
LLI Group # 1381737  
Account # 12495

**Project Name:** BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
<b>Metals</b>						
01754	Iron	SW-846 6010B 7439-89-6	mg/l 1.08	mg/l 0.0666	mg/l 0.400	2
07058	Manganese	7439-96-5	0.0509	0.00083	0.0050	1
<b>Wet Chemistry</b>						
00224	Chloride	EPA 300.0 16887-00-6	mg/l 67.3	mg/l 10.0	mg/l 20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	326	15.0	50.0	50
07547	Dissolved Organic Carbon	EPA 415.1 modified n.a.	mg/l 1.9	mg/l 0.50	mg/l 1.0	1
04001	Chemical Oxygen Demand	EPA 410.4 n.a.	mg/l N.D.	mg/l 12.8	mg/l 50.0	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001 n.a.	mg/l N.D.	mg/l 4.7	mg/l 4.7	1

## General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	131021848004	04/17/2013 07:03	Joanne M Gates	2
07058	Manganese	SW-846 6010B	1	131021848004	04/16/2013 18:41	John P Hook	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	131021848004	04/15/2013 08:48	James L Mertz	1
00224	Chloride	EPA 300.0	1	13100655601A	04/12/2013 16:12	Christopher D Meeks	50
00368	Nitrate Nitrogen	EPA 300.0	1	13100655601A	04/10/2013 13:47	Christopher D Meeks	5
01506	Nitrite Nitrogen	EPA 300.0	1	13100655601A	04/10/2013 13:47	Christopher D Meeks	5
00228	Sulfate	EPA 300.0	1	13100655601A	04/12/2013 16:12	Christopher D Meeks	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	13106049501A	04/16/2013 05:09	James S Mathiot	1

\*=This limit was used in the evaluation of the final result

Sample Description: B-22 DUP Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016201  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-22-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	13109400101A	04/19/2013 10:05	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	13100023502A	04/10/2013 18:46	Hannah M Royer	1

Sample Description: B-21 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016202  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-21-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result



Sample Description: B-21 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016202  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-21-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 21:42	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 21:42	Sarah A Guill	1

Sample Description: B-28 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016203  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-28-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

## General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-28 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016203  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-28-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 22:03	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 22:03	Sarah A Guill	1

Sample Description: B-38 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016204  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 09:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-38-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	1.4 J	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	59	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	1.4 J	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	44	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: B-38 Water  
BP Sanborn COC: 192468  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016204  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 09:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

B-38-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 22:23	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 22:23	Sarah A Guill	1

Sample Description: Quarry Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016205  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 08:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

QRRY-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10335	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10335	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10335	Bromoform	75-25-2	N.D.	1.0	5.0	1
10335	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10335	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10335	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10335	Chloroform	67-66-3	N.D.	0.80	5.0	1
10335	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10335	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10335	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10335	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

#### General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.8-10.2 C.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

\*=This limit was used in the evaluation of the final result

Sample Description: Quarry Water  
BP Sanborn COC: 192469  
2040 Cory Dr - Sanborn, NY

LLI Sample # WW 7016205  
LLI Group # 1381737  
Account # 12495

Project Name: BP Sanborn

Collected: 04/09/2013 08:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/10/2013 09:20

BP Corporation

Reported: 04/22/2013 08:01

501 WestLake Park Blvd  
Houston TX 77079

QRRY-

## Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131041AA	04/14/2013 22:44	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131041AA	04/14/2013 22:44	Sarah A Guill	1

\*=This limit was used in the evaluation of the final result

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 04/22/13 at 08:01 AM

Group Number: 1381737

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

## Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Batch number: Y131041AA	Sample number(s): 7016198-7016200,7016202-7016205								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	79		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	89		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	88		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	74		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	71		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	88		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	98		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	75		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	86		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	88		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	86		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	91		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	92		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	90		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	67		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	97		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	87		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	90		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	91		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	96		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	94		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	79		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	87		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	92		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	95		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	93		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	79		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	98		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	95		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	74		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	87		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	83		63-120		
Batch number: 131090002A	Sample number(s): 7016198-7016200								
Ethane	N.D.	1.0	5.0	ug/l	106		80-120		
Ethene	N.D.	1.0	5.0	ug/l	107		80-120		
Methane	N.D.	3.0	5.0	ug/l	113		80-120		
Batch number: 131021848004	Sample number(s): 7016198-7016201								
Iron	N.D.	0.0333	0.200	mg/l	98		90-112		

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.



## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1381737

Reported: 04/22/13 at 08:01 AM

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Manganese	N.D.	0.00083	0.0050	mg/l	103		90-110		
Batch number: 13100655601A	Sample number(s): 7016198-7016199,7016201								
Chloride	N.D.	0.20	0.40	mg/l	108		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	105		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	100		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	102		90-110		
Batch number: 13106049501A	Sample number(s): 7016198-7016199,7016201								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	99		86-114		
Batch number: 13100023502A	Sample number(s): 7016198-7016201								
Biochemical Oxygen Demand					99		85-115		
Batch number: 13109400101A	Sample number(s): 7016198-7016201								
Chemical Oxygen Demand					102		94-110		

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y131041AA	Sample number(s): 7016198-7016200,7016202-7016205 UNSPK: 7016198								
Benzyl Chloride	79	81	42-131	2	30				
Bromobenzene	95	95	82-115	1	30				
Bromodichloromethane	92	94	78-125	3	30				
Bromoform	75	76	48-118	1	30				
Bromomethane	84	87	47-129	4	30				
Carbon Tetrachloride	99	101	72-135	3	30				
Chlorobenzene	105	106	87-124	1	30				
Chloroethane	86	86	51-145	0	30				
2-Chloroethyl Vinyl Ether	86	90	10-151	4	30				
Chloroform	95	97	81-134	2	30				
Chloromethane	109	108	46-137	1	30				
Dibromochloromethane	95	96	74-116	1	30				
Dibromomethane	93	95	83-119	2	30				
1,2-Dichlorobenzene	96	97	84-119	1	30				
1,3-Dichlorobenzene	95	96	86-121	2	30				
1,4-Dichlorobenzene	96	98	85-121	2	30				
Dichlorodifluoromethane	86	84	52-129	2	30				
1,1-Dichloroethane	106	109	84-129	2	30				
1,2-Dichloroethane	91	93	68-131	2	30				
1,1-Dichloroethene	105	105	75-155	1	30				
cis-1,2-Dichloroethene	104	106	80-141	1	30				
trans-1,2-Dichloroethene	106	107	81-142	1	30				
1,2-Dichloropropane	101	105	83-124	3	30				
cis-1,3-Dichloropropene	99	103	70-116	4	30				
trans-1,3-Dichloropropene	82	85	74-119	3	30				
Methylene Chloride	95	97	78-133	2	30				
1,1,1,2-Tetrachloroethane	98	99	74-136	0	30				
1,1,2,2-Tetrachloroethane	96	97	72-128	1	30				

\*- Outside of specification

\*\* - This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1381737

Reported: 04/22/13 at 08:01 AM

## Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrachloroethene	106	106	80-128	0	30				
1,1,1-Trichloroethane	87	89	69-140	2	30				
1,1,2-Trichloroethane	101	103	71-141	2	30				
Trichloroethene	106	108	88-133	1	30				
Trichlorofluoromethane	89	90	64-146	1	30				
1,2,3-Trichloropropane	90	91	76-118	1	30				
Vinyl Chloride	89	91	66-133	1	30				
Batch number: 131090002A Sample number(s): 7016198-7016200 UNSPK: 7016198									
Ethane	71	66	32-129	8	20				
Ethene	79	73	35-162	8	20				
Methane	77	72	35-157	7	20				
Batch number: 131021848004 Sample number(s): 7016198-7016201 UNSPK: 7016198 BKG: 7016198									
Iron	103	107	75-125	2	20	1.02	1.08	6 (1)	20
Manganese	102	102	75-125	0	20	0.0509	0.0509	0	20
Batch number: 13100655601A Sample number(s): 7016198-7016199,7016201 UNSPK: 7016198 BKG: 7016198									
Chloride	98		90-110		70.7	67.3		5 (1)	20
Nitrate Nitrogen	99		90-110		N.D.	N.D.		0 (1)	20
Nitrite Nitrogen	92		90-110		N.D.	N.D.		0 (1)	20
Sulfate	104		90-110		327	326		0	20
Batch number: 13106049501A Sample number(s): 7016198-7016199,7016201 UNSPK: 7016198 BKG: 7016198									
Dissolved Organic Carbon	105		54-135		1.9	1.9		1 (1)	2
Batch number: 13100023502A Sample number(s): 7016198-7016201 UNSPK: 7016198 BKG: 7016198									
Biochemical Oxygen Demand	94	90	69-139	4	8	N.D.	N.D.	0 (1)	15
Batch number: 13109400101A Sample number(s): 7016198-7016201 UNSPK: 7016198 BKG: 7016198									
Chemical Oxygen Demand	98	99	90-110	1	5	N.D.	N.D.	0 (1)	5

## Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: PPL + Xylene (total) by 8260

Batch number: Y131041AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7016198	99	102	102	94
7016199	97	103	105	98
7016200	96	103	104	98
7016202	97	101	103	95
7016203	98	100	102	94
7016204	98	102	102	94
7016205	98	101	102	94
Blank	97	101	102	95

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

**Quality Control Summary**

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1381737

Reported: 04/22/13 at 08:01 AM

**Surrogate Quality Control**

LCS	96	99	103	98
MS	97	103	105	98
MSD	96	103	104	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon

Batch number: 131090002A

Propene

7016198	59
7016199	68
7016200	62
Blank	101
LCS	109
MS	68
MSD	62

Limits: 42-131

\*- Outside of specification

\*\*-This limit was used in the evaluation of the final result for the blank

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

BP/ARC Project Name: BP, Sanborn

Req Due Date (mm/dd/yy): \_\_\_\_\_

Rush TAT: Yes \_\_\_\_\_ No ☒

BP/ARC Facility No: \_\_\_\_\_

Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cong Dr.</u>	Consultant/Contractor: <u>Perkins</u>
Lab Address: <u>2425 New Holland Pike, Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kathline Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 Labriere Dr. Suite 350, Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>D0084-0001</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Corraie Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>80</u>	Invoice To: BP/ARC <input checked="" type="checkbox"/> Contractor _____

BP/ARC EBM: <u>William Barber</u>				Matrix				No. Containers / Preservative						Requested Analyses										Report Type & QC Level																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
EBM Phone: <u>(216) 271-8038</u>																								Standard _____																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor		Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: <u>Richard C Becker OSM</u>	Date: <u>4/9/13</u>	Time: <u>1000</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>DM Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>4/9/13</u>					
Shipment Tracking No: <u>898635849510</u>				<u>CC/10</u>	<u>CCI</u>	<u>4/10/13 0920</u>

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No <input checked="" type="checkbox"/>	Temp Blank: Yes / No <input checked="" type="checkbox"/>	Cooler Temp on Receipt: <u>8.1</u> °F/°C	Trip Blank: Yes / No <input checked="" type="checkbox"/>	MS/MSD Sample Submitted: Yes / No <input checked="" type="checkbox"/>
--	--	--	--	---

BP/ARC Project Name: BP, Sanborn

Req Due Date (mm/dd/yy): \_\_\_\_\_

Rush TAT: Yes ☐ No ☒

BP/ARC Facility No: \_\_\_\_\_

Lab Work Order Number: \_\_\_\_\_

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2125 New Holland Pike Lancaster PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kathlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 Lakeview Dr. Suite 350, Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>D0084-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>136008</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</u>	Invoice To: <u>BP/ARC</u> <input checked="" type="checkbox"/> Contractor _____

BP/ARC EBM: <u>William Barber</u>				Matrix		No. Containers / Preservative							Requested Analyses										Report Type & QC Level	
EBM Phone: <u>(216) 271-8038</u>																							Standard _____	
EBM Email:																							Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	Methanol	8260	600	600	DOC	Methylene Chloride, Ethylene Glycol, Nitrate, Nitrite, Chloride, Urea, Phosphate	Iron + Manganese	Comments  Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.					
	<u>Quarry</u>	<u>4/9/13</u>	<u>0830</u>	<u>X</u>			<u>3</u>	<u>X</u>					<u>X</u>											
	<u>B-22 MS</u>	<u>4/9/13</u>	<u>1300</u>	<u>X</u>			<u>3</u>	<u>X</u>					<u>X</u>											
	<u> </u>	<u> </u>	<u> </u>				<u>1</u>		<u>X</u>					<u>X</u>										
							<u>1</u>	<u>X</u>							<u>X</u>									
							<u>1</u>	<u>X</u>								<u>X</u>								
							<u>2</u>				<u>X</u>					<u>X</u>								
							<u>2</u>	<u>X</u>									<u>X</u>							
							<u>1</u>			<u>X</u>								<u>X</u>						
	<u>B-22 MSD</u>						<u>3</u>	<u>X</u>					<u>X</u>											
	<u>B-22 MSD</u>						<u>7</u>		<u>X</u>					<u>X</u>										

Sampler's Name: <u>Richard C. Becker</u>	Relinquished By / Affiliation: <u>Richard C. Becker</u>	Date: <u>4/9/13</u>	Time: <u>1500</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>QAM Enterprises Inc.</u>						
Shipment Method: <u>Fed EX</u>	Ship Date: <u>4/9/13</u>					
Shipment Tracking No: <u>898635849510</u>				<u>C. Fisher</u>	<u>LLI</u>	<u>4/10/13 0920</u>

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / ☒ No ☐ Temp Blank: Yes / ☒ No ☐ Cooler Temp on Receipt: 8.1 °F ☐ Trip Blank: Yes / ☒ No ☐ MS/MSD Sample Submitted: Yes / ☒ No ☐

## Page 3 of 3

No ☒

**Lab Work Order Number:**

BP/ARC LaMP COC Rev. 6 01/01/2009

G-1381737

Environmental Sample Administration  
Receipt Documentation LogClient/Project: Atlantic RichfieldShipping Container Sealed: ☒ YES ☐ NODate of Receipt: 4/10/13Custody Seal Present \*: ☐ YES ☒ NOTime of Receipt: 0920\* Custody seal was intact unless otherwise noted in the  
discrepancy sectionSource Code: 50-1Package: ☒ Chilled ☐ Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	ST 1396 Comments
1	2783	8.1	TB	WI	Y	B.	6.8 7.7 7.2 10.2 8.8
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

## Paperwork Discrepancy/Unpacking Problems:

Received 11 total containers for B-22.High Temp (1 ice bag on top of samples) - ok to proceed per client.Unpacker Signature/Emp#: CCash 3647 Date/Time: 4/10/13 1015

Issued by Dept. 6042 Management

2174.06

# Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

<b>RL</b>	Reporting Limit	<b>BMQL</b>	Below Minimum Quantitation Level
<b>N.D.</b>	none detected	<b>MPN</b>	Most Probable Number
<b>TNTC</b>	Too Numerous To Count	<b>CP Units</b>	cobalt-chloroplatinate units
<b>IU</b>	International Units	<b>NTU</b>	nephelometric turbidity units
<b>umhos/cm</b>	micromhos/cm	<b>ng</b>	nanogram(s)
<b>C</b>	degrees Celsius	<b>F</b>	degrees Fahrenheit
<b>meq</b>	milliequivalents	<b>lb.</b>	pound(s)
<b>g</b>	gram(s)	<b>kg</b>	kilogram(s)
<b>µg</b>	microgram(s)	<b>mg</b>	milligram(s)
<b>mL</b>	milliliter(s)	<b>L</b>	liter(s)
<b>m3</b>	cubic meter(s)	<b>µL</b>	microliter(s)
		<b>pg/L</b>	picogram/liter
<b>&lt;</b>	less than - The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
<b>&gt;</b>	greater than		
<b>J</b>	estimated value – The result is $\geq$ the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
<b>ppm</b>	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
<b>ppb</b>	parts per billion		
<b>Dry weight basis</b>	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

## U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
<b>A</b>	TIC is a possible aldol-condensation product	<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>B</b>	Analyte was also detected in the blank	<b>E</b>	Estimated due to interference
<b>C</b>	Pesticide result confirmed by GC/MS	<b>M</b>	Duplicate injection precision not met
<b>D</b>	Compound quantitated on a diluted sample	<b>N</b>	Spike sample not within control limits
<b>E</b>	Concentration exceeds the calibration range of the instrument	<b>S</b>	Method of standard additions (MSA) used for calculation
<b>N</b>	Presumptive evidence of a compound (TICs only)	<b>U</b>	Compound was not detected
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$	<b>W</b>	Post digestion spike out of control limits
<b>U</b>	Compound was not detected	<b>*</b>	Duplicate analysis not within control limits
<b>X,Y,Z</b>	Defined in case narrative	<b>+</b>	Correlation coefficient for MSA $<0.995$

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

**WARRANTY AND LIMITS OF LIABILITY** - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



**APPENDIX C**

**WATER QUALITY DATABASE**  
**JANUARY 2001 THROUGH JUNE 2013**

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663812	8021	ND	ND	0.34 J	ND	ND	1.6	50	ND	4.1	ND	2	58.04
07/12/2002	A2713901	8021	ND	ND	2.4	ND	2.2 J	13	360	ND	36	1.8	18	433.4
07/08/2003	A3649103	8021	ND	ND	ND	ND	7.4	8.5	490	ND	14	ND	5	524.9
07/06/2004	A4636508	8021	ND	ND	2.6	4.4	ND	7.3	190	ND	29	ND	18	251.3
07/14/2005	A5740501	8260/5ML	ND	ND	ND	ND	ND	3.8	75	ND	6.7	ND	7.7	93.2
07/14/2006	6G14010-08	8260	ND	ND	ND	ND	ND	2	41	ND	3	ND	4	50
07/09/2007	7G10002-01	8260	ND	ND	ND	ND	ND	ND	33	ND	2	ND	11	46
07/23/2008	5423254	8260	ND	ND	1.1 J	1 J	ND	4.3 J	190	ND	19	ND	14	229.4
07/08/2009	5719621	8260	ND	ND	1.4 J	1.4 J	ND	4.5 J	240	ND	16	ND	56	319.3
07/12/2010	6030552	8260	ND	ND	ND	1 J	ND	4.5 J	170	ND	18	ND	24	217.5
07/12/2011	6342650	8260	ND	ND	2.6 J	1.4 J	ND	4.1 J	200	1.1 J	54	ND	25	288.2
07/16/2012	6722028	8260	ND	ND	1.6 J	ND	ND	3.1 J	200	ND	26	ND	21	251.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 4M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663816	8021	ND	ND	ND	ND	0.58 J	1.6	61	ND	5.5	ND	1.5 J	70.18
07/12/2002	A2713906	8021	ND	ND	ND	ND	ND	1.5	47	ND	5	ND	5.6	59.1
07/08/2003	A3649109	8021	ND	ND	ND	ND	ND	2.3	67	ND	7.8	ND	6.4	83.5
07/06/2004	A4636506	8021	ND	ND	ND	ND	ND	1.9	38	ND	8.2	ND	10	58.1
07/14/2005	A5740502	8260/5ML	ND	ND	ND	ND	ND	1.8	36	ND	5.4	ND	12	55.2
07/14/2006	6G14010-07	8260	ND	ND	ND	ND	ND	2	28	ND	5	ND	20	55
07/09/2007	7G10002-02	8260	ND	ND	ND	ND	ND	1	24	ND	4	ND	22	51
07/23/2008	5423255	8260	ND	ND	ND	ND	ND	1.8 J	41	ND	5.1	ND	12	59.9
07/09/2009	5720682	8260	ND	ND	ND	ND	ND	ND	20	ND	1.8 J	ND	5.1	26.9
07/12/2010	6030548	8260	ND	ND	ND	ND	ND	1.1 J	35	ND	250	ND	1.8 J	287.9
04/12/2011	6256727	8260	ND	ND	1.6 J	0.95 J	ND	5.6	120	ND	29	ND	9.7	166.85
07/13/2011	6343981	8260	ND	ND	ND	ND	ND	2.2 J	59	ND	7.1	ND	11	79.3
07/17/2012	6723837	8260	ND	ND	ND	ND	ND	1.6 J	41	ND	4.9 J	ND	7.9	55.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 5M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663817	8021	ND	ND	ND	ND	ND	0.47 J	18	ND	20	ND	ND	38.47
07/15/2002	A2723102	8021	ND	ND	ND	ND	ND	ND	3.8	ND	9.5	ND	ND	13.3
07/10/2003	A3654101	8021	ND	ND	ND	ND	ND	ND	4.5	ND	13	ND	ND	17.5
07/07/2004	A4636503	8021	ND	ND	ND	ND	ND	1.1	16	ND	72	ND	ND	89.1
07/12/2005	A5733201	8260/5ML	ND	ND	ND	ND	ND	ND	3.8	ND	12	ND	ND	15.8
07/18/2006	6G19003-09RE1	8260	ND	ND	ND	ND	6 B	ND	9	ND	36	ND	ND	51
07/09/2007	7G10002-03	8260	ND	ND	ND	ND	ND	ND	2	ND	6	ND	ND	8
07/23/2008	5423256	8260	ND	ND	ND	ND	ND	1.5 J	54	ND	290	ND	3 J	348.5
07/13/2009	5722293	8260	ND	ND	ND	ND	ND	1 J	20	ND	82	ND	ND	103
07/12/2010	6030549	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	3.9 J	ND	17	55.2
07/25/2011	6355555	8260	ND	ND	ND	ND	ND	1.1 J	22	ND	150	ND	1.3 J	174.4
07/16/2012	6722026	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	260	ND	1.8 J	296.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043907	8021	ND	ND	ND	ND	ND	ND	2.7	ND	16	ND	ND	18.7
04/16/2001	A1345808	624	ND	ND	ND	ND	ND	ND	1.8	ND	18	ND	ND	19.8
07/13/2001	A1663814	8021	ND	ND	ND	ND	ND	ND	1.1	ND	12	ND	ND	13.1
10/10/2001	A1994701	8021	ND	ND	ND	ND	ND	ND	1.7	ND	19	ND	ND	20.7
01/23/2002	A2076801	8021	ND	ND	ND	ND	ND	0.66 J	27	ND	51	ND	ND	78.66
04/12/2002	A2351803	8021	ND	ND	ND	ND	ND	ND	9.8	ND	100	ND	ND	109.8
07/12/2002	A2713909	8021	ND	ND	ND	ND	ND	ND	11	ND	69	ND	ND	80
10/08/2002	A2999301	8021	ND	ND	ND	ND	ND	ND	9.1	ND	52	ND	ND	61.1
01/21/2003	A3069002	8021	ND	ND	ND	ND	ND	ND	6.3	ND	47	ND	ND	53.3
04/09/2003	A3329501	8021	ND	ND	ND	ND	24	ND	8.1	ND	48	ND	ND	80.1
07/08/2003	A3649108	8021	ND	ND	ND	ND	ND	ND	9.4	ND	60	ND	ND	69.4
10/13/2003	A3991405	8021	ND	ND	ND	ND	ND	ND	34	ND	130	ND	ND	164
01/28/2004	A4077401	8021	ND	ND	ND	ND	2.9	ND	37	ND	260	ND	ND	299.9
04/20/2004	A4356802	8021	ND	ND	ND	ND	ND	ND	22	ND	240	ND	ND	262
07/07/2004	A4636502	8021	ND	ND	ND	ND	ND	ND	16	ND	130	ND	ND	146
10/21/2004	A4A48001	8021	ND	ND	ND	ND	ND	ND	18	ND	100 E	ND	ND	118
01/17/2005	A5044302	8260	ND	ND	ND	ND	ND	ND	10	ND	110	ND	ND	120
04/05/2005	A5317802	8260	ND	ND	ND	ND	0.93 J	ND	6.7	ND	91 E	0.55 J	ND	99.18
04/05/2005	A5317802DL	8260	ND	ND	ND	ND	ND	ND	6.3 D	ND	95 D	ND	ND	101.3
07/12/2005	A5733202	8260/5ML	ND	ND	ND	ND	ND	ND	6.2	ND	58	ND	ND	64.2
10/05/2005	A5B10602	8260	ND	ND	ND	ND	ND	0.64 J	22	ND	97	ND	1.1 J	120.74
01/24/2006	A6089111	8260	ND	ND	ND	ND	ND	ND	7.3	ND	61	ND	ND	68.3
04/12/2006	6D13005-03	8260	ND	ND	ND	ND	ND	ND	10	ND	99	ND	ND	109
07/18/2006	6G19003-14	8260	ND	ND	ND	ND	5 B	ND	18	ND	109	ND	ND	132
10/10/2006	6J11002-06	8260	ND	ND	ND	ND	ND	2	73	ND	414 D	ND	4	493
01/09/2007	7A10006-03	8260	ND	ND	ND	ND	3 B	ND	21	ND	205 D	ND	ND	229
04/04/2007	7D05011-01	8260	ND	ND	ND	ND	ND	ND	13	ND	150	ND	ND	163
07/11/2007	7G12003-07	8260	ND	ND	ND	ND	ND	ND	13	ND	137	ND	ND	150
10/10/2007	7J11002-02	8260	ND	ND	ND	ND	ND	1	45	ND	258 D	ND	3	307
01/08/2008	8A09005-06	8260	ND	ND	ND	ND	4	3	99	ND	500 D	ND	ND	606
04/07/2008	8D08002-06	8260	ND	ND	ND	ND	18 B	ND	33	ND	346	ND	ND	397
07/22/2008	5422164	8260	ND	ND	ND	ND	ND	1 J	26	ND	230	ND	ND	257
10/17/2008	5502671	8260	ND	ND	ND	ND	ND	ND	10	ND	95	ND	ND	105
01/15/2009	5578622	8260	ND	ND	ND	ND	ND	0.92 J	26	ND	210	ND	ND	236.92
04/16/2009	5649163	8260	ND	ND	ND	ND	ND	0.9 J	27	ND	270	ND	ND	297.9
07/09/2009	5720687	8260	ND	ND	ND	ND	ND	0.86 J	23	ND	230	ND	ND	253.86
10/06/2009	5799016	8260	ND	ND	ND	ND	ND	0.89 J	21	ND	190	ND	ND	211.89

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888924	8260	ND	ND	ND	ND	ND	0.93 J	36	ND	250	ND	ND	286.93
04/06/2010	5946900	8260	ND	ND	ND	ND	ND	ND	23	ND	280	ND	ND	303
07/20/2010	6038216	8260	ND	ND	ND	ND	ND	ND	16	ND	170	ND	ND	186
10/18/2010	6115536	8260	ND	ND	ND	ND	ND	ND	12	ND	130	ND	ND	142
01/24/2011	6190820	8260	ND	ND	ND	ND	ND	ND	20	ND	160	ND	ND	180
04/12/2011	6256726	8260	ND	ND	ND	ND	ND	ND	16	ND	190	ND	ND	206
07/21/2011	6353674	8260	ND	ND	ND	ND	ND	ND	16	ND	190	ND	ND	206
10/10/2011	6433664	8260	ND	ND	ND	ND	ND	ND	10	ND	110	ND	ND	120
01/17/2012	6524419	8260	ND	ND	ND	ND	ND	0.82 J	22	ND	280	ND	ND	302.82
04/03/2012	6605294	8260	ND	ND	ND	ND	ND	ND	19	ND	250	ND	ND	269
07/17/2012	6723840	8260	ND	ND	ND	ND	ND	ND	16	ND	200	ND	ND	216
10/03/2012	6812009	8260	ND	ND	ND	ND	ND	0.86 J	19	ND	240	ND	ND	259.86
01/23/2013	6932568	8260	ND	ND	ND	ND	ND	1.2 J	40	ND	350	ND	ND	391.2
04/08/2013	7015025	8260	ND	ND	ND	ND	ND	0.80 J	23	ND	220	ND	ND	243.8

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 7M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035103	8021	ND	ND	ND	ND	ND	ND	1.8	ND	2.2	ND	ND	4
04/20/2001	A1366402	624	ND	ND	ND	ND	ND	ND	2.9	ND	3.2	ND	ND	6.1
07/12/2001	A1663801	8021	ND	ND	ND	ND	ND	ND	0.5 J	ND	1.8	ND	ND	2.3
10/10/2001	A1994702	8021	ND	ND	ND	ND	ND	ND	0.59 J	ND	1.9	ND	ND	2.49
01/21/2002	A2066003	8021	ND	ND	ND	ND	ND	ND	1.1	ND	4.6	ND	ND	5.7
04/11/2002	A2348301	8021	ND	ND	ND	ND	ND	ND	1.5	ND	11	ND	ND	12.5
07/11/2002	A2708314	8021	ND	ND	ND	ND	ND	ND	2.3	ND	7.7	ND	ND	10
10/08/2002	A2999307	8021	ND	ND	ND	ND	ND	ND	1.8	ND	7.2	ND	ND	9
01/16/2003	A3055803	8021	ND	3.1	ND	ND	ND	ND	0.92 J	ND	4	ND	ND	8.02
04/08/2003	A3329504	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.6	ND	ND	10.9
07/08/2003	A3649101	8021	ND	ND	ND	ND	ND	ND	0.85 J	ND	5.4	ND	ND	6.25
10/10/2003	A3983901	8021	ND	ND	ND	ND	ND	ND	28	ND	63	ND	ND	91
01/09/2004	A4026201	8021	ND	ND	ND	ND	ND	ND	6.7	ND	25	ND	ND	31.7
04/14/2004	A4331802	8021	ND	ND	ND	ND	ND	ND	4.4	ND	21	ND	ND	25.4
06/30/2004	A4619301	8021	ND	ND	ND	ND	ND	ND	3.7	ND	18	ND	ND	21.7
10/26/2004	A4A60202	8021	ND	ND	ND	ND	ND	ND	3.9	ND	12	ND	ND	15.9
01/18/2005	A5051004	8260	ND	ND	ND	ND	ND	ND	1.3	ND	8.6	ND	ND	9.9
04/04/2005	A5307701	8260	ND	ND	ND	ND	ND	ND	1.6	ND	12 B	ND	ND	13.6
07/12/2005	A5725601	8260/5ML	ND	ND	ND	ND	ND	ND	1.8	ND	8.2	ND	ND	10
07/17/2006	6G18004-02	8260	ND	ND	ND	ND	ND	ND	2	ND	8	ND	ND	10
07/10/2007	7G11015-01	8260	ND	ND	ND	ND	ND	ND	1	ND	7	ND	ND	8
07/23/2008	5423259	8260	ND	ND	ND	ND	ND	ND	2.2 J	ND	7.7	ND	ND	9.9
07/08/2009	5719613	8260	ND	ND	ND	ND	ND	ND	1.5 J	ND	4.9 J	ND	ND	6.4
07/12/2010	6030554	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	4.9 J	ND	ND	6.3
07/18/2011	6348760	8260	ND	ND	ND	ND	ND	ND	1.5 J	ND	4.6 J	ND	ND	6.1
07/16/2012	6722037	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	3.8 J	ND	ND	4.9

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035104	8021	ND	ND	ND	ND	620	ND	1400	ND	7400	ND	ND	9420
04/24/2001	A1375204	8021	ND	ND	ND	ND	ND	ND	2400	ND	24000	ND	ND	26400
07/11/2001	A1648705	8021	ND	ND	ND	ND	500	ND	700	ND	11000	ND	ND	12200
10/17/2001	A1A23313	8021	ND	ND	ND	ND	980	ND	8500	ND	64000	ND	ND	73480
01/25/2002	A2081501	8021	ND	ND	ND	ND	170	ND	2400	ND	35000 D	ND	ND	37570
04/22/2002	A2391102	8021	ND	ND	ND	ND	540	ND	ND	ND	22000	ND	ND	22540
07/17/2002	A2732602	8021	ND	ND	ND	ND	1500	ND	4700	ND	73000	ND	ND	79200
10/15/2002	A2A23602	8021	ND	ND	ND	ND	ND	ND	7100	ND	41000	ND	ND	48100
01/24/2003	A3075209	8021	ND	ND	ND	ND	ND	ND	1900	ND	10000	ND	ND	11900
04/24/2003	A3389604	8021	ND	ND	ND	ND	530	ND	2100	ND	23000	ND	ND	25630
07/22/2003	A3699407	8021	ND	ND	ND	ND	ND	ND	9500	ND	170000	ND	ND	179500
10/22/2003	A3A28301	8021	ND	ND	ND	ND	ND	ND	5300	ND	85000	ND	ND	90300
01/22/2004	A4057101	8021	ND	ND	ND	ND	ND	330	330	ND	12000	ND	ND	12660
04/30/2004	A4402504	8021	ND	ND	ND	ND	ND	ND	ND	ND	24000	ND	ND	24000
07/19/2004	A4682701	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
07/19/2004	A4682701	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
10/15/2004	A4A20302	8021	ND	ND	ND	3.6	ND	6.5	980 D	ND	15000 D	4	17	16011.1
01/12/2005	A5036104	8260	ND	ND	ND	ND	ND	ND	920	ND	65000 E	ND	ND	65920
01/12/2005	A5036104DL	8260							860 D		51000 D			51860
04/19/2005	A5387403	8260	ND	ND	ND	ND	ND	ND	430	ND	18000	ND	ND	18430
07/15/2005	A5747101	8260/5ML	ND	ND	ND	ND	200	ND	3300	ND	34000 E	ND	320	37820
07/15/2005	A5747101DL	8260/5ML	ND	ND	ND	ND	870 D	ND	2700 D	ND	29000 D	ND	250 D	32820
10/24/2005	A5B97301	8260	ND	ND	0.93 J	12	ND	13	1400 E	0.61 J	12000 E	5.4	42	13473.94
10/24/2005	A5B97301DL	8260	ND	ND	ND	ND	ND	ND	880 D	ND	56000 BD	ND	ND	56880
01/26/2006	A6102405	8260	ND	ND	ND	ND	ND	ND	1000	ND	36000	ND	ND	37000
04/19/2006	6D20002-03RE1	8260	ND	ND	ND	ND	ND	ND	1020	ND	23200 D	ND	78	24298
07/14/2006	6G14010-01	8260	ND	ND	ND	20	115	32	3450	ND	58900 D	ND	198	62715
10/09/2006	6J10002-08	8260	ND	ND	ND	ND	74	ND	975	ND	29100 D	ND	ND	30149
01/09/2007	7A10006-06	8260	ND	ND	ND	ND	235	ND	2580	ND	48700 D	ND	50	51565
04/12/2007	7D13007-04	8260	ND	ND	ND	ND	1160	ND	692	ND	17800	ND	ND	19652
07/16/2007	7G17015-05	8260	ND	ND	ND	ND	1260	ND	4130	ND	71500	ND	ND	76890
10/09/2007	7J10006-05	8260	ND	ND	ND	ND	ND	ND	6730	ND	120000 D	ND	ND	126730
01/07/2008	8A08003-02RE1	8260	ND	ND	ND	ND	500	ND	1280	ND	30500	ND	ND	32280
04/09/2008	8D10002-03	8260	ND	ND	ND	ND	732	ND	4110	ND	101000 D	ND	ND	105842
07/24/2008	5424623	8260	ND	ND	ND	ND	ND	ND	1400	ND	37000	ND	28 J	38428
10/16/2008	5501565	8260	ND	ND	ND	ND	ND	ND	4600	ND	32000	ND	200 J	36800
01/15/2009	5578621	8260	ND	ND	ND	ND	ND	ND	3100	ND	63000	ND	87 J	66187

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2009	5647717	8260	ND	ND	ND	ND	ND	ND	3100	ND	61000	ND	120 J	64220
07/07/2009	5718472	8260	ND	ND	ND	ND	ND	ND	1200	ND	25000	ND	30 J	26230
10/07/2009	5800390	8260	ND	ND	ND	12 J	ND	13 J	1900	ND	32000	ND	79	34004
01/20/2010	5888925	8260	ND	ND	ND	ND	ND	ND	4600	ND	80000	ND	210 J	84810
04/14/2010	5954138	8260	ND	ND	ND	ND	ND	ND	2700	ND	84000	ND	ND	86700
07/15/2010	6033918	8260	ND	ND	ND	ND	ND	ND	5600	ND	94000	ND	410 J	100010
10/14/2010	6113377	8260	ND	ND	ND	13 J	ND	17 J	3000	ND	60000	6.6 J	54	63090.6
01/24/2011	6190819	8260	ND	ND	ND	ND	ND	ND	4600	ND	70000	ND	160 J	74760
04/14/2011	6259039	8260	ND	ND	ND	ND	ND	ND	1400	ND	45000	ND	ND	46400
07/18/2011	6348766	8260	ND	ND	ND	ND	ND	ND	5400	ND	83000	ND	400 J	88800
10/12/2011	6435905	8260	ND	ND	ND	ND	ND	ND	5600	ND	78000	ND	270 J	83870
01/17/2012	6524424	8260	ND	ND	ND	9.7	ND	11	1300	ND	35000	4.5 J	52	36377.2
04/04/2012	6607032	8260	ND	ND	ND	ND	ND	ND	1900	ND	32000	ND	120	34020
07/16/2012	6722032	8260	ND	ND	ND	32	ND	36	5500	ND	56000	11	340	61919
10/04/2012	6814361	8260	ND	ND	ND	ND	ND	ND	5800	ND	84000	ND	100 J	89900
01/23/2013	6932575	8260	ND	ND	ND	ND	ND	ND	2000	ND	51000	ND	ND	53000
04/08/2013	7015031	8260	ND	ND	ND	ND	ND	ND	760	ND	20000	ND	ND	20760

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B- 9M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732703	8021	ND	ND	ND	ND	ND	ND	7.4	ND	23	1.7	ND	32.1
07/02/2003	A3639709	8021	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	ND	ND	4.2
06/29/2004	A4614511	8021	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
07/07/2005	A5706807	8260	ND	ND	ND	ND	ND	ND	2.7	ND	5.4	1.4	ND	9.5
10/24/2005	A5B97302	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.3 B	ND	ND	1.3
01/24/2006	A6089109	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J	ND	ND	0.67
04/12/2006	6D13005-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-05	8260	ND	ND	ND	ND	3	ND	2	ND	3	ND	ND	8
10/09/2006	6J10002-07	8260	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
01/05/2007	7A05012-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2007	7G11015-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
10/09/2007	7J10006-10	8260	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
01/07/2008	8A08003-03	8260	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
04/07/2008	8D08002-07	8260	ND	ND	ND	ND	2 B	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417444	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2009	5582424	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2009	5649164	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2009	5718463	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799006	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2010	5888926	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2010	6030559	8260	ND	ND	ND	ND	ND	ND	0.85 J	ND	1.7 J	ND	ND	2.55
01/24/2011	6190818	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2011	6256716	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342647	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1
10/10/2011	6433665	8260	ND	ND	ND	ND	ND	ND	2.3 J	ND	5.4	4.1 J	ND	11.8
01/17/2012	6524423	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2012	6605292	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2012	6717362	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1
10/04/2012	6814363	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	2.5 J	ND	5.2
01/17/2013	6926981	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2013	7015032	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-10M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648708	8021	ND	ND	0.72 J	ND	1.1 J	0.64 J	21	4.3	43	ND	ND	70.76
07/16/2002	A2722907	8021	ND	ND	ND	ND	2.6	ND	14	4.3	56	ND	ND	76.9
04/25/2003	A3389601	8021	ND	ND	ND	ND	1.5 J	ND	10	3.6	52	ND	ND	67.1
07/18/2003	A3689004	8021	ND	ND	ND	ND	ND	ND	7.4	2.6	40	ND	ND	50
10/22/2003	A3A21906	8021	ND	ND	ND	ND	ND	ND	19	5.1	92	ND	ND	116.1
04/29/2004	A4402501	8021	ND	ND	ND	ND	ND	ND	10	3.8	59	ND	ND	72.8
07/16/2004	A4674302	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	8260	ND	ND	ND	ND	ND	ND	5	3	30	ND	ND	38
07/18/2006	6G19003-01	8260	ND	ND	ND	ND	4 B	ND	13	6	42	ND	ND	65
10/11/2006	6J12003-07RE1	8260	ND	ND	ND	ND	ND	ND	9	5	53	ND	ND	67
04/18/2007	7D19009-02	8260	ND	ND	ND	ND	ND	ND	4	3	27	ND	ND	34
07/10/2007	7G11015-04	8260	ND	ND	ND	ND	ND	ND	6	4	36	ND	ND	46
10/09/2007	7J10006-11	8260	ND	ND	ND	ND	ND	1	15	5	51	ND	ND	72
04/09/2008	8D10002-01	8260	ND	ND	ND	ND	3	ND	7	3	58	ND	ND	71
07/24/2008	5424625	8260	ND	ND	ND	ND	ND	0.81 J	8.4	4.2 J	43	ND	ND	56.41
10/20/2008	5504259	8260	ND	ND	ND	ND	ND	0.98 J	12	5.1	61	ND	ND	79.08
04/20/2009	5651166	8260	ND	ND	ND	ND	ND	ND	5	3 J	35	ND	ND	43
07/07/2009	5718465	8260	ND	ND	ND	ND	ND	ND	5.5	2.9 J	35	ND	ND	43.4
10/06/2009	5799010	8260	ND	ND	ND	ND	ND	ND	6.5	3.6 J	46	ND	ND	56.1
04/14/2010	5954139	8260	ND	ND	ND	ND	ND	ND	3.9 J	2.4 J	31	ND	ND	37.3
07/12/2010	6030558	8260	ND	ND	ND	ND	ND	ND	5.1	2.8 J	30	ND	ND	37.9
10/18/2010	6115530	8260	ND	ND	ND	ND	ND	1.3 J	16	4.8 J	66	ND	ND	88.1
04/21/2011	6266005	8260	ND	ND	ND	ND	ND	ND	3.3 J	1.6 J	27	ND	ND	31.9
07/20/2011	6352277	8260	ND	ND	ND	ND	ND	ND	4.1 J	2.5 J	32	ND	ND	38.6
10/10/2011	6433666	8260	ND	ND	ND	ND	ND	ND	8.3	3.3 J	46	ND	ND	57.6
04/05/2012	6608275	8260	ND	ND	ND	ND	ND	ND	2.4 J	1.3 J	32	ND	ND	35.7
07/11/2012	6717352	8260	ND	ND	ND	ND	ND	ND	5.4	3.2 J	32	ND	ND	40.6
10/04/2012	6814364	8260	ND	ND	ND	ND	ND	0.86 J	9.4	4.0 J	44	ND	ND	58.26
04/02/2013	7007576	8260	ND	ND	ND	ND	ND	ND	3.1 J	2.3 J	27	ND	ND	32.4

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-11M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648706	8021	ND	ND	ND	ND	12	ND	21	ND	270	ND	ND	303
07/16/2002	A2722909	8021	ND	ND	ND	ND	ND	ND	230	ND	1500	ND	ND	1730
07/10/2003	A3654302	8021	ND	ND	ND	ND	ND	ND	160	ND	990	ND	ND	1150
07/07/2004	A4636802	8021	ND	ND	ND	ND	ND	ND	200	ND	1600	35	ND	1835
07/14/2005	A5740602	8260/5ML	ND	ND	ND	1.4	ND	2.7	340 E	ND	710 E	87	1.3 J	1142.4
07/14/2005	A5740602DL	8260/5ML	ND	ND	ND	ND	ND	ND	310 D	ND	2000 D	57 D	ND	2367
07/14/2006	6G14010-04	8260	ND	ND	ND	ND	ND	ND	189	ND	1090	30	ND	1309
07/16/2007	7G17015-08	8260	ND	ND	ND	ND	ND	ND	155	ND	1150	67	ND	1372
07/24/2008	5424624	8260	ND	ND	ND	ND	ND	0.87 J	170	ND	700	21	ND	891.87
07/07/2009	5718478	8260	ND	ND	ND	ND	ND	1.8 J	76	ND	470	21	ND	568.8
07/12/2010	6030557	8260	ND	ND	ND	ND	ND	1.5 J	83	ND	500	26	ND	610.5
07/18/2011	6348762	8260	ND	ND	ND	ND	ND	2.1 J	60	ND	370	20	ND	452.1
07/10/2012	6716079	8260	ND	ND	ND	ND	ND	1.4 J	27	ND	270	15	ND	313.4

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-12M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732704	8021	ND	ND	1	ND	ND	ND	30	1.4	74	ND	ND	106.4
07/02/2003	A3639710	8021	ND	ND	8.3	1.8	ND	3.8	87 D	26	82	ND	ND	208.9
06/29/2004	A4614512	8021	ND	ND	4	ND	ND	2.7	71	8.3	240	ND	ND	326
07/08/2005	A5715203	8260/5ML	ND	ND	0.56 J	ND	ND	ND	7.3	1.1	30	ND	ND	38.96
07/18/2006	6G19003-15	8260	ND	ND	9	3	5 B	4	164	8	581 D	ND	6	780
07/09/2007	7G10002-04RE1	8260	ND	ND	1	ND	ND	ND	20	2	77	ND	ND	100
07/16/2008	5417452	8260	ND	ND	69	13	ND	7.8 J	560	110	1600	ND	17	2376.8
07/13/2009	5722292	8260	ND	ND	37	4.3 J	ND	7.1 J	290	78	660	ND	ND	1076.4
07/12/2010	6030550	8260	ND	ND	34	8.5 J	ND	6.4 J	370	64	1700	ND	2.1 J	2185
07/13/2011	6343978	8260	ND	ND	8.9 J	2.7 J	ND	3.2 J	120	14	650	ND	ND	798.8
07/16/2012	6722027	8260	ND	ND	29	7.8	ND	8.6	280	35	1700	ND	ND	2060.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/19/2001	A1361310	624	ND	ND	ND	ND	ND	2.6	67	ND	12	ND	ND	81.6
07/12/2001	A1663807	8021	ND	7.6	ND	ND	5.5	14	720	ND	120	ND	ND	867.1
07/16/2002	A2722911	8021	ND	ND	ND	ND	14	18	1000	ND	140	ND	ND	1172
04/22/2003	A3376301	8021	ND	ND	ND	ND	22	14	1400	ND	1400	ND	82	2918
07/18/2003	A3689003	8021	ND	ND	10	ND	ND	12	1300	ND	470	ND	48	1840
10/22/2003	A3A21905	8021	ND	ND	12	ND	ND	10	1600	ND	310	ND	71	2003
04/27/2004	A4387501	8021	ND	ND	ND	ND	ND	16	1100	ND	89	ND	34	1239
07/13/2004	A4663801	8021	ND	42	16	19	30	27	950	ND	200	ND	40	1324
10/13/2004	A4A09403	8021	ND	ND	18	5.8	1.5 B	14	760 D	2.4	250 D	ND	21	1072.7
04/19/2005	A5387404	8260	ND	ND	21	6.9	ND	10	1100 E	2.6	450 E	ND	22	1612.5
04/19/2005	A5387404DL	8260	ND	ND	ND	ND	ND	ND	1100 D	ND	440 D	ND	ND	1540
07/21/2005	A5768401	8260/5ML	ND	ND	8.5	8.4	ND	24	1100 E	ND	300	ND	9	1449.9
07/21/2005	A5768401DL	8260/5ML	ND	ND	ND	ND	ND	12 D	640 D	ND	110 D	ND	38 D	800
10/20/2005	A5B92004	8260	ND	ND	6.7	ND	6.5 B	20	1000 E	ND	210	ND	13	1256.2
10/20/2005	A5B92004DL	8260	ND	ND	ND	ND	ND	12 D	640 D	ND	140 BD	ND	22 D	814
01/24/2006	A6089113	8260	ND	ND	2.8	ND	4.2	2.3	230	ND	81	ND	4.7	325
04/18/2006	6D19002-03	8260	ND	ND	3	1	ND	5	321 D	ND	137	ND	5	472
07/14/2006	6G14010-05	8260	ND	ND	7	5	9	20	838 D	ND	202	ND	59	1140
10/11/2006	6J12003-01	8260	ND	ND	3	2	ND	8	368 D	ND	73	ND	19	473
01/10/2007	7A11003-05	8260	ND	ND	2	ND	ND	2	225 D	ND	84	ND	7	320
04/12/2007	7D13007-01	8260	ND	ND	1	ND	ND	3	152	ND	63	ND	8	227
07/12/2007	7G13019-08	8260	ND	ND	3	2	ND	10	437 D	ND	127	ND	25	604
10/09/2007	7J10006-02	8260	ND	ND	ND	ND	ND	9	413	ND	122	ND	27	571
01/08/2008	8A09005-01	8260	ND	ND	ND	ND	ND	ND	241	ND	59	ND	ND	300
04/10/2008	8D11008-03	8260	ND	ND	7	ND	12	6	536	ND	456	ND	18	1035
07/24/2008	5424627	8260	ND	ND	4.4 J	4.2 J	ND	14	660	ND	210	ND	33	925.6
10/15/2008	5499970	8260	ND	ND	3.7 J	2.6 J	ND	12	470	ND	180	ND	6.1	674.4
01/14/2009	5577590	8260	ND	ND	4.9 J	2.1 J	ND	3.6 J	260	3.4 J	270	ND	3.4 J	547.4
04/14/2009	5646770	8260	ND	ND	5.2	3.1 J	ND	7	460	3.2 J	460	ND	17	955.5
07/09/2009	5720678	8260	ND	ND	4.7 J	3.7 J	ND	14	640	0.92 J	230	ND	39	932.32
10/05/2009	5797965	8260	ND	ND	4.5 J	3 J	ND	9.7	520	ND	180	ND	33	750.2
01/25/2010	5892345	8260	ND	ND	ND	ND	ND	ND	59	ND	71	ND	1.6 J	131.6
04/13/2010	5953086	8260	ND	ND	4.2 J	2.6 J	ND	5.8	360	2.3 J	340	ND	19	733.9
07/14/2010	6032692	8260	ND	ND	3.3 J	2 J	ND	8	430	ND	140	ND	24	607.3
10/14/2010	6113372	8260	ND	ND	6	4.7 J	ND	18	740	1.2 J	240	ND	13	1022.9
01/25/2011	6191897	8260	ND	ND	3.4 J	0.8 J	ND	2.7 J	200	ND	68	ND	4.5 J	279.4
04/18/2011	6261651	8260	ND	ND	22	4.7 J	ND	4.8 J	500	3 J	490	ND	15	1039.5

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2011	6342652	8260	ND	ND	12	3.9 J	ND	7.4	450	1.5 J	380	ND	16	870.8
10/11/2011	6434702	8260	ND	ND	8.8 J	5.2 J	ND	15	770	ND	350	ND	8.6 J	1157.6
01/25/2012	6532442	8260	ND	ND	47	10	ND	9.6	780	5.2	870	0.91 J	24	1746.71
04/10/2012	6612005	8260	ND	ND	2.0 J	1.6 J	ND	4.3 J	440	ND	6.0	ND	140	593.9
07/18/2012	6726437	8260	ND	ND	7.3	4.3 J	ND	14	630	0.96 J	260	ND	27	943.56
10/02/2012	6810732	8260	ND	ND	7.5	4.3 J	ND	16	770	ND	240	ND	9.9	1047.7
01/22/2013	6931415	8260	ND	ND	30	4.4 J	ND	4.8 J	420	5.5	420	ND	15	899.7
04/03/2013	7010220	8260	ND	ND	21	3.6 J	ND	4.6 J	370	4.0 J	380	ND	32	815.2

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732701	8021	ND	ND	ND	ND	ND	ND	160	ND	730	ND	ND	890
07/02/2003	A3639711	8021	ND	ND	ND	ND	ND	0.83 J	39	ND	260 D	ND	ND	299.83
06/29/2004	A4614507	8021	ND	ND	ND	ND	12	ND	9.1	ND	120	ND	ND	141.1
06/29/2004	A4614507RE	8021	ND	ND	ND	ND	13	ND	10	ND	130	ND	ND	153
07/08/2005	A5715204	8260/5ML	ND	ND	ND	ND	ND	1.8	96	ND	560 E	9	ND	666.8
07/08/2005	A5715204DL	8260/5ML	ND	ND	ND	ND	ND	ND	81 D	ND	500 D	6.7 D	ND	587.7
07/13/2006	6G14009-04	8260	ND	ND	ND	ND	ND	ND	306	ND	1500 D	9	17	1832
07/10/2007	7G11015-02RE1	8260	ND	ND	ND	ND	ND	ND	67	ND	541	11	ND	619
07/21/2008	5420898	8260	ND	ND	ND	ND	ND	1.1 J	130	ND	300	3.9 J	ND	435
07/18/2011	6348761	8260	ND	ND	ND	ND	ND	1.1 J	64	ND	360	4.3 J	ND	429.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-15M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793603	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.4
07/15/2003	A3670606	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762203	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-12	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420897	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719628	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036144	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342642	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2012	6717356	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732702	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	2.3
07/02/2003	A3639712	8021	ND	ND	ND	ND	ND	ND	ND	ND	4.7	ND	ND	4.7
07/02/2003	A3639712RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/29/2004	A4614510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	0.77
07/13/2006	6G14009-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418429	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719617	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2010	6030553	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2011	6355558	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	1.1
07/10/2012	6716069	8260	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	1.2

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-17M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041308	8021	ND	ND	ND	ND	ND	ND	3100	ND	8000	ND	ND	11100
04/20/2001	A1366401	624	ND	ND	100 E	9.7	ND	30	1500 D	9.4	5300 D	3.6	6.1	6958.8
07/11/2001	A1648713	8021	ND	ND	ND	ND	180	ND	3700	ND	8400	ND	ND	12280
10/16/2001	A1A17410	8021	ND	ND	ND	ND	1000	ND	2600	ND	29000	ND	ND	32600
01/25/2002	A2081503	8021	ND	140	ND	ND	140	ND	4500	ND	2800	ND	91	7671
04/22/2002	A2391101	8021	ND	ND	ND	ND	76	ND	12000	ND	4300	ND	2100	18476
07/17/2002	A2732601	8021	ND	ND	ND	ND	160	ND	8600	ND	5500	ND	1800	16060
10/15/2002	A2A23603	8021	ND	ND	ND	ND	1000	ND	49000	ND	17000	ND	4300	71300
01/24/2003	A3075207	8021	ND	ND	ND	ND	190	ND	12000	ND	7100	ND	2600	21890
04/23/2003	A3376304	8021	ND	ND	ND	ND	ND	ND	12000	ND	4400	ND	1400	17800
07/22/2003	A3699406	8021	ND	ND	ND	ND	ND	ND	13000	ND	3800	ND	1100	17900
10/22/2003	A3A28302	8021	ND	ND	ND	ND	170	ND	20000	ND	2500	ND	2600	25270
01/21/2004	A4053403	8021	ND	ND	ND	ND	ND	ND	7800	ND	5600	ND	620	14020
04/28/2004	A4387504	8021	ND	ND	ND	ND	ND	ND	8100	ND	5300	ND	700	14100
07/09/2004	A4647102	8021	ND	ND	120	220	ND	ND	14000	ND	3500	ND	1600	19440
10/08/2004	A4994203	8021	ND	ND	ND	ND	ND	ND	7700	ND	3300	ND	640	11640
01/18/2005	A5051102	8260	ND	ND	100	52	ND	ND	9600	ND	7800	ND	1300	18852
04/19/2005	A5387401	8260	ND	ND	ND	ND	ND	ND	13000 E	ND	6900	ND	1300	21200
04/19/2005	A5387401DL	8260	ND	ND	ND	ND	ND	ND	12000 D	ND	6700 D	ND	1200 D	19900
07/21/2005	A5768404	8260/5ML	ND	ND	110	ND	ND	130	15000	ND	8600	ND	1500	25340
10/21/2005	A5B92803	8260	ND	ND	69	43	ND	60	3300 E	120 E	2900 E	0.98 J	850 E	7342.98
10/21/2005	A5B92803DL	8260	ND	ND	ND	ND	ND	ND	9500 D	140 D	8900 D	ND	1000 D	19540
01/26/2006	A6102401	8260	ND	ND	67	ND	ND	ND	4300	ND	8400	ND	470	13237
04/19/2006	6D20002-04RE1	8260	ND	ND	48	39	ND	60	9570 D	ND	7730 D	ND	1210	18657
07/18/2006	6G19003-05	8260	ND	ND	72	40	212 B	61	8250 D	34	8170 D	ND	1320	18159
10/09/2006	6J10002-09	8260	ND	ND	66	28	129	36	6730 D	175	12000 D	ND	798	19962
01/09/2007	7A10006-08	8260	ND	ND	ND	ND	227	ND	5190	ND	12800 D	ND	372	18589
04/12/2007	7D13007-03	8260	ND	ND	ND	ND	ND	ND	3100	ND	3100	ND	475	6675
07/16/2007	7G17015-01	8260	ND	ND	ND	ND	ND	ND	8490	ND	2940	ND	1510	12940
10/09/2007	7J10006-08	8260	ND	ND	ND	ND	277	ND	12300	ND	3150	ND	2540	18267
01/07/2008	8A08003-10	8260	ND	ND	129	ND	350	ND	4910	ND	3070	ND	718	9177
04/09/2008	8D10002-02	8260	ND	ND	184	ND	468	ND	5820	70	2530	ND	1020	10092
07/25/2008	5426027	8260	ND	ND	71	44 J	ND	45 J	8000	11 J	3800	ND	1300	13271
10/14/2008	5498684	8260	ND	ND	100	50 J	ND	52	11000	10 J	3900	ND	1500	16612
01/14/2009	5577592	8260	ND	ND	180	39	ND	34	5900	49	2800	5.8 J	910	9917.8
04/15/2009	5647720	8260	ND	ND	210	49 J	ND	35 J	6600	75	3900	9.4 J	750	11628.4
07/07/2009	5718470	8260	ND	ND	120	50	ND	62	14000	20 J	3700	ND	2200	20152

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-17M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800387	8260	ND	ND	84	52	ND	44	7500	12	4900	2.3 J	960	13554.3
01/20/2010	5888921	8260	ND	ND	220	39 J	ND	32 J	6300	67	3000	ND	620	10278
04/12/2010	5951990	8260	ND	ND	260	65	ND	39 J	7400	93	7900	14 J	820	16591
07/14/2010	6032688	8260	ND	ND	110	46 J	ND	53	14000	14 J	4300	ND	1700	20223
10/14/2010	6113376	8260	ND	ND	35 J	26 J	ND	27 J	8600	ND	4500	ND	940	14128
01/25/2011	6191890	8260	ND	ND	90	35 J	ND	42 J	7400	15 J	6100	ND	720	14402
04/19/2011	6263087	8260	ND	ND	36	29	ND	54	14000	21 J	5300	ND	1400	20840
07/13/2011	6343974	8260	ND	ND	150	47 J	ND	47 J	11000	32 J	6600	ND	1200	19076
10/12/2011	6435901	8260	ND	ND	52	32 J	ND	36 J	8500	ND	6800	ND	890	16310
01/16/2012	6523837	8260	ND	ND	130	40 J	ND	35 J	7200	21 J	6100	ND	790	14316
04/09/2012	6610602	8260	ND	ND	45 J	35 J	ND	48 J	8900	ND	7800	ND	1200	18028
07/18/2012	6726431	8260	ND	ND	170	67	ND	69	15000	20 J	6300	ND	2200	23826
10/02/2012	6810730	8260	ND	ND	95	49 J	ND	46 J	12000	9.1 J	4600	ND	1600	18399.1
01/23/2013	6932578	8260	ND	ND	66	42 J	ND	40 J	8000	15 J	6500	ND	960	15623
04/04/2013	7011179	8260	ND	ND	54	36	ND	41	9900	7.9 J	7900	ND	1200	19138.9

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-18M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035105	8021	ND	ND	2.2	ND	ND	1.2	12	1.6	ND	ND	13	30
04/19/2001	A1361313	624	ND	ND	0.38	ND	ND	ND	2.5	ND	0.24	ND	3.4	6.52
07/12/2001	A1663803	8021	ND	ND	1.9	ND	ND	0.51 J	12	0.47 J	0.56 J	ND	15	30.44
10/12/2001	A1A01001	8021	ND	ND	1	ND	ND	1	28	ND	0.71 J	ND	13	43.71
01/14/2002	A2039402	8021	ND	ND	0.73 J	ND	ND	2.4	61 D	ND	1.8	ND	17	82.93
04/08/2002	A2332602	8260	ND	ND	0.59 J	ND	ND	2.8	56	ND	1.7	ND	12	73.09
07/08/2002	A2695503	8021	ND	ND	ND	ND	ND	1.9	59	ND	ND	ND	22	82.9
10/02/2002	A2980603	8021	ND	ND	0.62 J	ND	ND	2.2	30	ND	0.82 J	ND	14	47.64
01/13/2003	A3038004	8021	ND	ND	0.62 J	ND	ND	1.4	18	ND	ND	ND	14	34.02
04/21/2003	A3370801	8021	ND	ND	0.44 J	ND	1.8 J	3.3	78	ND	4.9	ND	18	106.44
07/14/2003	A3670602	8021	ND	ND	ND	ND	ND	2.6	78	ND	ND	ND	12	92.6
10/15/2003	A3998705	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	19	55
01/07/2004	A4012302	8021	ND	ND	ND	ND	ND	5.7	120	ND	ND	ND	6.1	131.8
04/29/2004	A4402301	8021	ND	ND	ND	ND	ND	1.8	26	ND	ND	ND	16	43.8
07/14/2004	A4664201	8021	ND	ND	ND	ND	ND	2.4	13	ND	ND	ND	11	26.4
10/15/2004	A4A20701	8021	ND	ND	ND	ND	1.2	1.4	33	ND	ND	ND	9	44.6
01/12/2005	A5036402	8260	ND	ND	ND	ND	ND	2.9	45	ND	ND	ND	9	56.9
04/04/2005	A5307809	8260	ND	ND	ND	ND	ND	4.7	72	ND	ND	ND	11	87.7
07/15/2005	A5747001	8260	ND	ND	ND	ND	1.8 J	6.6	92 E	ND	ND	ND	32	132.4
07/15/2005	A5747001DL	8260	ND	ND	ND	ND	2.6 D	5.2 D	75 D	ND	ND	ND	26 D	108.8
07/14/2006	6G14010-03	8260	ND	ND	ND	ND	ND	2	23	ND	1	ND	9	35
07/05/2007	7G06018-01	8260	ND	ND	ND	ND	ND	1	27	ND	ND	ND	11	39
07/23/2008	5423260	8260	ND	ND	ND	ND	ND	1.1 J	26	ND	ND	ND	11	38.1
07/07/2009	5718468	8260	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	5.5	16.5
07/15/2010	6033922	8260	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND	5.4	11.9
07/18/2011	6348765	8260	ND	ND	ND	ND	ND	ND	8.1	ND	ND	ND	4.6 J	12.7
07/16/2012	6722031	8260	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND	4.0 J	11

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035110	8021	ND	ND	1.4	ND	ND	ND	6.4	1.5	0.32 J	ND	1.4 J	11.02
04/19/2001	A1361309	624	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
07/12/2001	A1663806	8021	ND	ND	0.32 J	ND	ND	ND	5.5	0.27 J	0.95 J	ND	0.56 J	7.6
10/12/2001	A1A01005	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.25 J	ND	0.24 J	2.89
01/14/2002	A2039401	8021	ND	ND	0.25 J	ND	ND	ND	3.4	0.25 J	0.98 J	ND	1 J	5.88
04/08/2002	A2332601	8260	ND	ND	0.37 J	ND	ND	ND	3.4	0.22 J	0.37 J	0.24 J	0.35 J	4.95
07/08/2002	A2695501	8021	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	4.6
10/02/2002	A2980601	8021	ND	ND	0.32 J	ND	ND	ND	4.2	0.36 J	1.1 J	ND	0.43 J	6.41
01/13/2003	A3038002	8021	ND	ND	ND	ND	ND	ND	2.9	ND	1.4	ND	0.37 J	4.67
04/22/2003	A3376401	8021	ND	ND	0.31 J	ND	ND	ND	4.6	0.33 J	ND	ND	0.92 J	6.16
07/14/2003	A3670601	8021	ND	ND	0.24 J	ND	ND	ND	4.9	0.21 J	0.28 J	ND	0.51 J	6.14
10/15/2003	A3998704	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/07/2004	A4012301	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/27/2004	A4387401	8021	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	7.2
07/13/2004	A4664209	8021	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
10/13/2004	A4A09501	8021	ND	ND	ND	ND	ND	ND	11	0.57 J	ND	ND	1	12.57
01/12/2005	A5036401	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.41 J	ND	0.98 J	5.09
04/04/2005	A5307808	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.32 BJ	ND	0.75 J	4.77
07/21/2005	A5768301	8260/5ML	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	1 J	7.3
10/20/2005	A5B91902	8260	ND	ND	ND	ND	ND	ND	4	ND	0.51 J	ND	0.92 J	5.43
01/24/2006	A6089112	8260	ND	ND	ND	ND	ND	ND	4.2	ND	0.56 J	ND	1.3 J	6.06
04/18/2006	6D19002-04	8260	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
07/14/2006	6G14010-06	8260	ND	ND	ND	ND	8	ND	3	ND	ND	ND	ND	11
10/11/2006	6J12003-08	8260	ND	ND	ND	ND	ND	ND	5	ND	1	ND	ND	6
01/08/2007	7A09003-05	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/12/2007	7D13007-02	8260	ND	ND	ND	ND	8	ND	4	ND	ND	ND	ND	12
07/10/2007	7G11015-05	8260	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
10/09/2007	7J10006-03	8260	ND	ND	ND	ND	ND	ND	2	ND	16	ND	ND	18
01/07/2008	8A08003-05	8260	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
04/10/2008	8D11008-02	8260	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/16/2008	5417449	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/15/2008	5499969	8260	ND	ND	ND	ND	ND	ND	3.8 J	ND	2.2 J	ND	ND	6
01/14/2009	5577589	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND	2.6
04/14/2009	5646769	8260	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	1.3 J	4.8
07/09/2009	5720693	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/05/2009	5797964	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	2.7
01/25/2010	5892344	8260	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	2.1

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2010	5953087	8260	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	2
07/14/2010	6032693	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/14/2010	6113368	8260	ND	ND	ND	ND	ND	1.9 J	120	ND	25	ND	1.6 J	148.5
01/25/2011	6191896	8260	ND	ND	ND	ND	ND	ND	15	ND	1.9 J	ND	ND	16.9
04/18/2011	6261650	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND	2.4
07/12/2011	6342653	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/11/2011	6434703	8260	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	1.1 J	4.8
01/17/2012	6524429	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	ND	ND	2.9
04/10/2012	6612009	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	1.1 J	ND	1.1 J	6.1
01/22/2013	6931416	8260	ND	ND	ND	ND	ND	ND	0.81 J	ND	ND	ND	ND	0.81
04/03/2013	7010221	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	1.4 J	ND	ND	3.9

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-20M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345807	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332612	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670608	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043904	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/22/2005	A5402101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2006	6G19003-10RE1	8260	ND	ND	ND	ND	6 B	ND	ND	ND	ND	ND	ND	6
07/11/2007	7G12003-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422165	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720683	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038211	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353675	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2012	6723841	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/23/2001	A1375208	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695511	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2003	A3356602	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670607	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2003	A3998706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/2004	A4402302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2004	A4A27801	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
01/14/2005	A5038301	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
04/22/2005	A5402104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2005	A5790301	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92301	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/11/2007	7A12004-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-02	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/07/2008	8D08002-02	8260	ND	ND	ND	ND	10 B	ND	ND	ND	ND	ND	ND	10
07/21/2008	5420899	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499966	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576506	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651170	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722289	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799017	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893229	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948416	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033914	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/19/2010	6116884	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/2011	6194102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2011	6258133	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2011	6355562	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2011	6433660	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2012	6526481	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1
04/03/2012	6605291	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2012	6728257	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812014	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2013	6926976	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2013	7016202	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-22M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035101	8021	ND	1.3	ND	ND	4.2	ND	110	ND	4.4	ND	9.6	129.5
04/23/2001	A1375207	8021	ND	ND	ND	ND	ND	ND	510	ND	50	ND	ND	560
07/18/2001	A1682908	8021	ND	ND	ND	ND	2.5	1	130	ND	13	ND	7	153.5
10/17/2001	A1A23305	8021	ND	ND	ND	ND	ND	1.5	230	ND	13	ND	36	280.5
01/23/2002	A2076701	8021	ND	ND	7.6	4.6	2.1 J	21	1400 D	ND	110 D	ND	9.6	1554.9
04/18/2002	A2378801	8021	ND	ND	ND	ND	0.8 J	ND	130	ND	9.2	ND	36	176
07/15/2002	A2722901	8021	ND	ND	ND	ND	2.2 J	1.4	91	ND	4.9	ND	8.1	107.6
10/15/2002	A2A23601	8021	ND	ND	ND	ND	ND	ND	79	ND	6.2	ND	13	98.2
01/22/2003	A3068901	8021	ND	ND	ND	ND	ND	0.94 J	80	ND	3.2	ND	12	96.14
04/24/2003	A3389602	8021	ND	ND	ND	ND	1.6 J	ND	130	ND	13	ND	30	174.6
07/17/2003	A3683901	8021	ND	ND	ND	ND	ND	ND	140	ND	5	ND	13	158
10/21/2003	A3A21902	8021	ND	ND	ND	ND	ND	ND	160	ND	5.7	ND	2.3	168
04/30/2004	A4402503	8021	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	40	139
07/15/2004	A4674303	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
07/15/2004	A4674303	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
10/18/2004	A4A27701	8021	ND	ND	ND	ND	ND	ND	90	ND	13	ND	ND	103
01/20/2005	A5057501	8260	ND	ND	2.8	1.6	ND	16	300 E	0.34 J	110 E	ND	2.2	432.94
01/20/2005	A5057501DL	8260					33 D	9.4 D	340 D		56 D			438.4
04/26/2005	A5414404	8260	ND	ND	ND	ND	ND	7	250	ND	33	ND	ND	290
07/25/2005	A5790401	8260/5ML	ND	ND	ND	ND	ND	1.6	110	ND	14	ND	7.8	133.4
10/21/2005	A5B92801	8260	ND	ND	ND	ND	ND	0.61 J	36	ND	3.9	ND	1.2 J	41.71
01/24/2006	A6089102	8260	ND	ND	2.9	1.4	ND	15	480 E	ND	90	ND	3.1	592.4
01/24/2006	A6089102DL	8260	ND	ND	ND	ND	ND	15 D	460 D	ND	93 D	ND	ND	568
04/19/2006	6D20002-01	8260	ND	ND	ND	ND	ND	1	61	ND	17	ND	14	93
07/17/2006	6G18004-05	8260	ND	ND	ND	ND	ND	ND	29	ND	5	ND	2	36
10/10/2006	6J11002-08	8260	ND	ND	ND	ND	ND	1	66	ND	10	ND	4	81
01/11/2007	7A12004-02	8260	ND	ND	3	ND	ND	14	370 D	ND	89	ND	ND	476
04/19/2007	7D20005-01	8260	ND	ND	ND	ND	ND	5	136	ND	35	ND	5	181
07/18/2007	7G19011-02	8260	ND	ND	ND	ND	ND	ND	26	ND	5	ND	ND	31
10/11/2007	7J12012-03	8260	ND	ND	ND	ND	ND	ND	24	ND	4	ND	ND	28
01/09/2008	8A10002-01	8260	ND	ND	ND	ND	ND	ND	17	ND	3	ND	3	23
04/08/2008	8D09003-07	8260	ND	ND	2	1	6	10	301 D	ND	95	ND	2	417
07/21/2008	5420900	8260	ND	ND	ND	ND	ND	ND	24	ND	4.9 J	ND	1.2 J	30.1
10/15/2008	5499967	8260	ND	ND	ND	ND	ND	ND	29	ND	4.1 J	ND	ND	33.1
01/13/2009	5576505	8260	ND	ND	3.1 J	2 J	ND	14	460	ND	120	ND	1 J	600.1
04/20/2009	5651167	8260	ND	ND	ND	ND	ND	3.8 J	150	ND	39	ND	9.9	202.7
07/13/2009	5722290	8260	ND	ND	ND	ND	ND	ND	27	ND	4.8 J	ND	1.6 J	33.4

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-22M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799012	8260	ND	ND	ND	ND	ND	1.5 J	70	ND	15	ND	1.1 J	87.6
01/26/2010	5893228	8260	ND	ND	ND	ND	ND	4.8 J	120	ND	44	ND	ND	168.8
04/19/2010	5957668	8260	ND	ND	ND	ND	ND	3.8 J	110	ND	30	ND	ND	143.8
07/15/2010	6033915	8260	ND	ND	ND	ND	ND	ND	38	ND	7.2	ND	ND	45.2
10/19/2010	6116887	8260	ND	ND	ND	ND	ND	ND	27	ND	6.7	ND	1.9 J	35.6
01/27/2011	6194103	8260	ND	ND	ND	ND	ND	1.3 J	64	ND	15	ND	1.3 J	81.6
04/14/2011	6259038	8260	ND	ND	2.5 J	1 J	ND	7.7	280	ND	97	ND	ND	388.2
07/25/2011	6355561	8260	ND	ND	ND	ND	ND	2.3 J	93	ND	26	ND	1.3 J	122.6
10/10/2011	6433661	8260	ND	ND	ND	ND	ND	0.89 J	43	ND	8.5	ND	1.9 J	54.29
01/18/2012	6526482	8260	ND	ND	1.2 J	ND	ND	4.8 J	120	ND	63	ND	ND	189
04/10/2012	6612011	8260	ND	ND	ND	ND	ND	4.0 J	120	ND	20	ND	ND	144
07/19/2012	6728258	8260	ND	ND	ND	ND	ND	ND	42	ND	9.8	ND	ND	51.8
10/03/2012	6812017	8260	ND	ND	ND	ND	ND	ND	36	ND	7.3	ND	ND	43.3
01/17/2013	6926979	8260	ND	ND	ND	ND	ND	3.4 J	87	ND	35	ND	ND	125.4
04/09/2013	7016198	8260	ND	ND	ND	ND	ND	ND	40	ND	9.1	ND	8.8	57.9

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043902	8021	ND	3.6	ND	ND	1.9 J	6.4	210	ND	13	ND	15	249.9
04/16/2001	A1345805	624	ND	ND	ND	ND	ND	7	150 D	ND	52	ND	ND	209
07/16/2001	A1674115	8021	ND	4.9	ND	ND	2.8	5.5	230	ND	23	ND	8.5	274.7
10/18/2001	A1A23310	8021	ND	ND	ND	ND	3.5	ND	280	ND	11	ND	ND	294.5
01/23/2002	A2076703	8021	ND	7.4	ND	ND	4.2	5	310	ND	39	ND	6.8	372.4
04/18/2002	A2378802	8021	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	22	372
07/15/2002	A2722903	8021	ND	ND	ND	ND	6	3.3	410	ND	4.3	ND	20	443.6
10/09/2002	A2A07510	8021	ND	ND	ND	ND	ND	ND	300	ND	18	ND	17	335
01/22/2003	A3068902	8021	ND	2.7	ND	ND	ND	4.8	140	ND	45	ND	ND	192.5
04/21/2003	A3370901	8021	ND	ND	ND	ND	12	2.1	320	ND	ND	ND	17	351.1
07/21/2003	A3699401	8021	ND	ND	ND	ND	ND	2	370	ND	2.7	ND	15	389.7
10/20/2003	A3A13901	8021	ND	ND	ND	ND	ND	ND	320	ND	3.8	ND	15	338.8
01/29/2004	A4077603	8021	ND	ND	ND	ND	ND	3	320	ND	74	ND	9.1	406.1
04/23/2004	A4373101	8021	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	28	428
07/21/2004	A4687101	8260	ND	ND	ND	ND	10	ND	340	ND	9.9	ND	ND	359.9
10/20/2004	A4A32301	8021	ND	ND	ND	ND	ND	ND	230	ND	7.1	ND	12	249.1
01/13/2005	A5036108	8260	ND	ND	ND	ND	ND	ND	360	ND	53	ND	5.9	418.9
04/19/2005	A5387405	8260	ND	ND	ND	ND	ND	ND	380	ND	32	ND	21	433
07/18/2005	A5753801	8260/5ML	ND	ND	ND	ND	ND	ND	360	ND	ND	ND	32	392
10/20/2005	A5B92001	8260	ND	ND	1.7	1.2	ND	1.8	380 E	ND	3	ND	61	448.7
10/20/2005	A5B92001DL	8260	ND	ND	ND	ND	9.2 BD	ND	370 D	ND	ND	ND	50 D	429.2
01/23/2006	A6084701	8260	ND	ND	ND	ND	ND	3	300	ND	96	ND	9.3	408.3
04/21/2006	6D21017-01	8260	ND	ND	1	ND	ND	1	272 D	ND	9	ND	17	300
07/20/2006	6G21005-05	8260	ND	ND	ND	ND	25	ND	309	ND	ND	ND	39	373
10/10/2006	6J11002-02RE1	8260	ND	ND	1	ND	ND	2	243 D	ND	10	ND	28	284
01/08/2007	7A09003-01	8260	ND	ND	ND	ND	ND	ND	238	ND	182	ND	ND	420
04/18/2007	7D19009-01	8260	ND	ND	2	ND	ND	2	239 D	ND	41	ND	17	301
07/11/2007	7G12003-01	8260	ND	ND	ND	ND	ND	ND	178	ND	8	ND	24	210
10/10/2007	7J11002-03	8260	ND	ND	1	ND	ND	ND	272 D	ND	2	ND	34	309
01/08/2008	8A09005-04	8260	ND	ND	ND	ND	ND	4	171	ND	71	ND	11	257
04/09/2008	8D10002-04	8260	ND	ND	2	1	2	2	292 D	ND	21	ND	24	344
07/25/2008	5426028	8260	ND	ND	1.1 J	ND	ND	0.87 J	270	ND	1.8 J	ND	58	331.77
10/17/2008	5502673	8260	ND	ND	1.2 J	ND	ND	0.9 J	280	ND	1.5 J	ND	37	320.6
01/13/2009	5576509	8260	ND	ND	2.2 J	0.96 J	ND	2.3 J	270	ND	53	ND	17	345.46
04/13/2009	5647710	8260	ND	ND	1.4 J	ND	ND	1.6 J	260	ND	21	ND	11	295
07/14/2009	5723623	8260	ND	ND	1.2 J	ND	ND	0.93 J	290	ND	2.8 J	ND	33	327.93
10/05/2009	5797962	8260	ND	ND	1.1 J	ND	ND	0.93 J	260	ND	4.8 J	ND	29	295.83

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2010	5889953	8260	ND	ND	2.4 J	0.87 J	ND	2.5 J	240	1.8 J	110	ND	9.7	367.27
04/19/2010	5957669	8260	ND	ND	1.7 J	0.91 J	ND	1.3 J	280	ND	22	ND	28	333.91
07/13/2010	6031621	8260	ND	ND	1.3 J	ND	ND	0.95 J	270	ND	8.2	ND	40	320.45
10/18/2010	6115537	8260	ND	ND	ND	ND	ND	0.93 J	270	ND	1.2 J	ND	33	305.13
01/26/2011	6192948	8260	ND	ND	2.6 J	ND	ND	3.5 J	170	1.4 J	120	ND	1.7 J	299.2
04/21/2011	6266004	8260	ND	ND	1.1 J	0.83 J	ND	1 J	280	ND	ND	ND	17	299.93
07/21/2011	6353678	8260	ND	ND	1.1 J	ND	ND	0.86 J	260	ND	3.7 J	ND	28	293.66
10/13/2011	6437681	8260	ND	ND	1.1 J	ND	ND	1.0 J	240	ND	10	ND	27	279.1
01/17/2012	6524418	8260	ND	ND	1.7 J	ND	ND	1.4 J	210	ND	57	ND	8.6	278.7
04/11/2012	6613966	8260	ND	ND	ND	ND	ND	ND	250	ND	1.3 J	ND	23	274.3
07/12/2012	6719399	8260	ND	ND	1.1 J	ND	ND	0.91 J	240	ND	4.8 J	ND	25	271.81
10/03/2012	6812006	8260	ND	ND	ND	ND	ND	ND	230	ND	7.5	ND	27	264.5
01/23/2013	6932570	8260	ND	ND	2.8 J	ND	ND	2.0 J	190	2.0 J	130	ND	8.5	335.3
04/08/2013	7015024	8260	ND	ND	ND	ND	ND	ND	220	ND	3.7 J	ND	28	251.7

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052406	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/16/2001	A1345804	624	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	1.9
07/16/2001	A1674112	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2001	A1A23309	8021	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	15
01/22/2002	A2066009	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.6	ND	ND	4.7
04/17/2002	A2378402	8021	ND	ND	ND	ND	ND	ND	1.8	ND	5.9	ND	ND	7.7
07/12/2002	A2713902	8021	ND	ND	ND	ND	ND	ND	1.5	ND	4.7	ND	ND	6.2
10/09/2002	A2A07702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2003	A3060801	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	1.9	ND	ND	2.17
04/09/2003	A3329507	8021	ND	ND	ND	ND	ND	ND	1.2	ND	6.5	ND	ND	7.7
07/08/2003	A3649105	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.3	ND	ND	4.4
10/13/2003	A3991402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356801	8021	ND	ND	ND	ND	ND	ND	1.2	ND	3.7	ND	ND	4.9
07/13/2004	A4664001	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4	ND	ND	5.4
10/20/2004	A4A32402	8021	ND	ND	ND	ND	ND	ND	1.3	ND	4	ND	ND	5.3
01/12/2005	A5036204	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	4.1	ND	ND	4.89
04/06/2005	A5317804	8260	ND	ND	ND	ND	ND	ND	0.63 J	ND	3.4	ND	ND	4.03
07/12/2005	A5733203	8260/5ML	ND	ND	ND	ND	ND	ND	0.97 J	ND	3.5	ND	ND	4.47
10/05/2005	A5B10601	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
01/23/2006	A6084702	8260	ND	ND	ND	ND	ND	ND	1.6	ND	3.8	ND	ND	5.4
04/12/2006	6D13005-06	8260	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
07/19/2006	6G20004-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2006	6J11002-03	8260	ND	ND	ND	ND	ND	ND	1	ND	2	ND	ND	3
01/08/2007	7A09003-02	8260	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
04/04/2007	7D05011-02	8260	ND	ND	ND	ND	3	ND	1	ND	3	ND	ND	7
07/11/2007	7G12003-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2007	7J11002-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-05	8260	ND	ND	ND	ND	ND	ND	6	ND	12	ND	ND	18
04/07/2008	8D08002-05	8260	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
07/28/2008	5426821	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/17/2008	5502674	8260	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	4.3
01/13/2009	5576514	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	4.2 J	ND	ND	5.3
04/13/2009	5647711	8260	ND	ND	ND	ND	ND	ND	0.99 J	ND	3.2 J	ND	ND	4.19
07/15/2009	5724678	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/05/2009	5797963	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3
01/21/2010	5889950	8260	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.6 J	ND	ND	3.55
04/06/2010	5946905	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	2.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/20/2010	6038212	8260	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	3.1
10/18/2010	6115538	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2011	6192949	8260	ND	ND	ND	ND	ND	ND	2.3 J	ND	6	ND	ND	8.3
04/13/2011	6258126	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/19/2011	6350144	8260	ND	ND	ND	ND	ND	ND	1 J	ND	3.5 J	ND	ND	4.5
10/13/2011	6437682	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	1.5
01/17/2012	6524417	8260	ND	ND	ND	ND	ND	ND	2.2 J	ND	4.7 J	ND	ND	6.9
04/03/2012	6605297	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	3.1 J	ND	ND	4.4
07/12/2012	6719396	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3
10/03/2012	6812008	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2013	6932572	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	7.1	ND	ND	9.8
04/08/2013	7015026	8260	ND	ND	ND	ND	ND	ND	2.1 J	ND	5.2	ND	ND	7.3

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.



# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-25M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639714	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664208	8021	ND	ND	ND	ND	ND	ND	1.4	ND	1.3	ND	ND	2.7
07/12/2005	A5733105	8260/5ML	ND	ND	ND	ND	ND	ND	0.68 J	ND	1.3	ND	ND	1.98

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-26M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639715	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715202	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-03	8260	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/18/2007	7G19011-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/24/2008	5424621	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723631	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031619	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2011	6348769	8260	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	8.9
01/19/2012	6527708	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2012	6607021	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2012	6722034	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-27M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663805	8021	ND	ND	ND	ND	5.8	8.5	400	ND	34	ND	ND	448.3
07/16/2002	A2722910	8021	ND	ND	ND	ND	5.7	9.4	240	ND	18	ND	14	287.1
07/10/2003	A3654301	8021	ND	ND	ND	ND	ND	6.8	230	ND	4.1	ND	9	249.9
07/07/2004	A4636801	8021	ND	ND	ND	1	ND	4.4	80	ND	4.8	ND	4.1	94.3
07/14/2005	A5740601	8260/5ML	ND	ND	ND	ND	ND	3.3	50	ND	5.3	ND	2.3	60.9

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-28M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035102	8021	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	1.5
04/23/2001	A1375205	8021	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	0.66
07/18/2001	A1682909	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347902	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	0.25
07/10/2002	A2708304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2005	A5038302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317606	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2005	A5724501	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-06RE1	8260	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
10/10/2006	6J11002-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/2007	7A12004-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499968	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576507	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651173	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722291	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799013	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893227	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-28M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/07/2010	5948415	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033916	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2010	6116886	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/2011	6194104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2011	6258132	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2011	6355560	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2011	6433662	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/2012	6532444	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2012	6605289	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2012	6728259	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812018	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2013	6926975	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2013	7016203	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-29M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043901	8021	ND	ND	ND	ND	ND	ND	16	ND	0.29 J	ND	1.8	18.09
04/16/2001	A1345806	624	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	11
07/16/2001	A1674114	8021	ND	ND	ND	ND	ND	ND	21	ND	1 J	ND	1.1 J	23.1
10/18/2001	A1A23315	8021	ND	ND	ND	ND	ND	ND	26	ND	7.8	ND	1.8	35.6
01/21/2002	A2066006	8021	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	26
04/17/2002	A2378401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708316	8021	ND	ND	ND	ND	ND	ND	32	ND	0.88 J	ND	2.5	35.38
10/09/2002	A2A07701	8021	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	4.5	38.5
01/16/2003	A3055802	8021	ND	ND	ND	ND	ND	ND	9	ND	0.23 J	ND	0.77 J	10
04/21/2003	A3371001	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
07/16/2003	A3683701	8021	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	0.68 J	12.68
10/20/2003	A3A13701	8021	ND	ND	ND	ND	ND	ND	47	ND	1.5	ND	3.8	52.3
01/29/2004	A4077402	8021	ND	ND	ND	0.2 J	ND	ND	26	ND	1.8	ND	2.1	30.1
04/23/2004	A4373001	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/21/2004	A4687001	8260	ND	ND	ND	ND	ND	ND	15	ND	0.73 J	ND	ND	15.73
10/20/2004	A4A32401	8021	ND	ND	ND	ND	ND	ND	24	ND	1.4	ND	2.4	27.8
01/13/2005	A5036206	8260	ND	ND	ND	ND	ND	ND	22	ND	1.8	ND	2.1	25.9
04/19/2005	A5387502	8260	ND	ND	ND	ND	ND	ND	12	ND	1.1 J	ND	1.4 J	14.5
07/18/2005	A5753701	8260/5ML	ND	ND	ND	ND	ND	ND	36	ND	3.2	ND	3.1	42.3
07/20/2006	6G21005-08	8260	ND	ND	ND	ND	3	ND	43	ND	8	ND	3	57
07/11/2007	7G12003-02	8260	ND	ND	ND	ND	ND	ND	30	ND	6	ND	3	39
07/25/2008	5426025	8260	ND	ND	ND	ND	ND	ND	19	ND	3 J	ND	1.8 J	23.8
07/14/2009	5723624	8260	ND	ND	ND	ND	ND	ND	17	ND	1.7 J	ND	2.6 J	21.3
07/13/2010	6031620	8260	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND	1 J	7.6
07/21/2011	6353677	8260	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	5.8
07/12/2012	6719400	8260	ND	ND	ND	ND	ND	ND	15	ND	1.9 J	ND	1.7 J	18.6

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-31M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041302	8021	ND	ND	ND	ND	ND	ND	4.6	ND	1 J	ND	ND	5.6
04/24/2001	A1375201	8021	ND	ND	ND	ND	ND	ND	5.5	ND	1.2	ND	ND	6.7
07/16/2001	A1674102	8021	ND	ND	ND	ND	ND	ND	7.1	ND	0.56 J	ND	0.57 J	8.23
10/10/2001	A1994706	8021	ND	ND	ND	ND	ND	ND	7.3	ND	ND	ND	0.48 J	7.78
01/17/2002	A2058501	8021	ND	ND	ND	ND	ND	0.2 J	13	ND	4	ND	ND	17.2
04/09/2002	A2332608	8260	ND	ND	ND	ND	ND	ND	4.8	ND	1.1 J	ND	ND	5.9
07/09/2002	A2695509	8021	ND	ND	ND	ND	ND	ND	7.3	ND	1.4	ND	ND	8.7
10/03/2002	A2980607	8021	ND	ND	ND	ND	ND	ND	10	ND	1.7	ND	0.29 J	11.99
01/14/2003	A3043004	8021	ND	0.78 J	ND	ND	ND	ND	6.5	ND	1.2	ND	ND	8.48
04/07/2003	A3320702	8021	ND	ND	ND	ND	ND	ND	10	ND	2.6	ND	ND	12.6
07/02/2003	A3639716	8021	ND	ND	ND	ND	ND	ND	7.7	ND	2.1	ND	ND	9.8
10/09/2003	A3978810	8021	ND	ND	ND	ND	ND	ND	13	ND	3.5	ND	ND	16.5
04/20/2004	A4356903	8021	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	2.9
07/14/2004	A4664203	8021	ND	ND	ND	ND	ND	ND	8.8	ND	3.8	ND	ND	12.6
10/25/2004	A4A54101	8021	ND	ND	ND	ND	ND	ND	13	ND	4.5	ND	ND	17.5
01/19/2005	A5050909	8260	ND	ND	ND	ND	ND	ND	5.3	ND	3.2	ND	ND	8.5
04/05/2005	A5317610	8260	ND	ND	ND	ND	ND	ND	2.4	ND	0.64 J	ND	ND	3.04
07/08/2005	A5715201	8260/5ML	ND	ND	ND	ND	ND	ND	6.6	ND	2.3	ND	ND	8.9
07/17/2006	6G18004-01	8260	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/18/2007	7G19011-06	8260	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/24/2008	5424622	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.1 J	ND	ND	4.2
07/14/2009	5723632	8260	ND	ND	ND	ND	ND	ND	8.5	ND	4 J	ND	ND	12.5
07/13/2010	6031618	8260	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	3
07/18/2011	6348770	8260	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	5.1
07/16/2012	6722033	8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	3.3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-32M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052401	8021	ND	ND	0.29 J	0.23 J	ND	1.8	47	ND	0.67 J	ND	7.5	57.49
04/18/2001	A1361303	624	ND	ND	ND	ND	ND	0.48	10	ND	ND	ND	1.1	11.58
07/18/2001	A1682902	8021	ND	ND	ND	ND	ND	0.61 J	38	ND	ND	ND	9.3	47.91
10/19/2001	A1A28802	8021	ND	ND	ND	ND	ND	0.81 J	56	ND	0.6 J	ND	9.4	66.81
01/14/2002	A2039403	8021	ND	ND	ND	ND	0.54 J	0.56 J	28	ND	1.1 J	ND	3.9	34.1
04/08/2002	A2332603	8260	ND	ND	ND	ND	ND	0.71 J	57	ND	0.68 J	ND	4.8	63.19
04/16/2002	A2369801	8021	ND	ND	0.34 J	0.27 J	ND	ND	62 D	ND	1.6	ND	5.8	70.01
07/08/2002	A2695505	8021	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	2.8	34.8
10/09/2002	A2A07901	8021	ND	ND	ND	ND	ND	0.93 J	56	ND	ND	ND	9.7	66.63
01/13/2003	A3038005	8021	ND	ND	ND	ND	ND	ND	42	ND	1.9	ND	5.2	49.1
04/24/2003	A3389501	8021	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	4.9	60.9
07/16/2003	A3684101	8021	ND	ND	ND	ND	ND	0.74 J	42	ND	0.51 J	ND	2.8	46.05
10/21/2003	A3A22001	8021	ND	ND	ND	ND	ND	0.91 J	61	ND	ND	ND	8.6	70.51
01/07/2004	A4012304	8021	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	3.4	41.4
04/23/2004	A4372904	8021	ND	ND	ND	ND	ND	ND	36	ND	1.3	ND	2.8	40.1
07/20/2004	A4682903	8260	ND	ND	ND	ND	2.2 J	0.76 J	31	ND	0.83 J	ND	ND	34.79
07/20/2004	A4682903	8021	ND	ND	ND	ND	ND	ND	39 E	ND	ND	ND	2.5 E	41.5
10/20/2004	A4A32101	8021	ND	31	ND	ND	ND	0.52 J	ND	ND	0.67 J	ND	4.3	36.49
01/13/2005	A5036405	8260	ND	ND	0.81 J	0.61 J	ND	1.3	71 E	ND	17	ND	3.4	94.12
01/13/2005	A5036405DL	8260							69 D		16 D		2.8 D	87.8
04/19/2005	A5387302	8260	ND	ND	0.45 J	0.48 J	ND	0.4 J	42 E	ND	7.3	ND	3.9	54.53
04/19/2005	A5387302DL	8260	ND	ND	ND	ND	1.9 DJ	ND	34 D	ND	5.8 D	ND	3 D	44.7
07/19/2005	A5762201	8260/5ML	ND	ND	ND	ND	ND	1.1	39	ND	ND	ND	10	50.1
07/20/2006	6G21005-07	8260	ND	ND	ND	ND	2	1	35	ND	ND	ND	7	45
07/10/2007	7G11015-08	8260	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	5	33
07/25/2008	5426032	8260	ND	ND	ND	ND	ND	1.4 J	31	ND	ND	ND	6.8	39.2
07/14/2009	5723630	8260	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	10	31
07/13/2010	6031615	8260	ND	ND	ND	ND	ND	0.82 J	26	ND	ND	ND	11	37.82
07/19/2011	6350148	8260	ND	ND	1 J	ND	ND	1.4 J	54	ND	15	ND	4.7 J	76.1
01/19/2012	6527709	8260	ND	ND	1.1 J	ND	ND	1.1 J	54	ND	28	ND	1.2 J	85.4
04/03/2012	6605293	8260	ND	ND	1.4 J	ND	ND	1.9 J	61	ND	34	ND	1.1 J	99.4
07/12/2012	6719401	8260	ND	ND	ND	ND	ND	1.0 J	23	ND	1.5 J	ND	9.8	35.3

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-33M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-06	8260	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/10/2007	7G11015-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426033	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723628	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031616	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350147	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2012	6719402	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-34M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethylene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (TCE) (ug/L)	Tetrachloro- ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708306	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-35M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethylene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (TCE) (ug/L)	Tetrachloro- ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-37M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/03/2003	A3639717	8021	ND	ND	ND	2.2	ND	13	1500 D	1.8	64000 D	ND	ND	65517
06/29/2004	A4614513	8021	ND	ND	ND	ND	ND	ND	3400	ND	24000	ND	ND	27400
07/08/2005	A5715207	8260/5ML	ND	ND	ND	1.7	ND	19	880 E	ND	1300 E	ND	ND	2200.7
07/08/2005	A5715207DL	8260/5ML	ND	ND	ND	ND	28 D	ND	1900 D	ND	4900 D	ND	ND	6828

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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/19/2001	A1056801	8021	ND	ND	ND	ND	ND	ND	45	ND	0.4 J	ND	ND	45.4
04/24/2001	A1375202	8021	ND	ND	ND	ND	ND	ND	48	ND	2.5	ND	ND	50.5
07/18/2001	A1682907	8021	ND	ND	ND	ND	ND	0.26 J	44	ND	1.8	ND	ND	46.06
10/19/2001	A1A28801	8021	ND	ND	ND	ND	ND	ND	43	ND	4.9	ND	1.1 J	49
01/21/2002	A2066004	8021	ND	ND	ND	ND	ND	0.51 J	48	ND	3.2	ND	ND	51.71
04/16/2002	A2370103	8021	ND	ND	0.49 J	0.26 J	ND	0.96 J	81 D	ND	3.7	ND	3.4	89.81
07/11/2002	A2708313	8021	ND	ND	0.42 J	ND	ND	1.1	84	ND	5.1	ND	ND	90.62
10/08/2002	A2999309	8021	ND	1.6	ND	ND	ND	ND	52	ND	4.8	ND	ND	58.4
10/15/2002	A2A23604	8021	ND	ND	ND	ND	ND	ND	41	ND	4.6	ND	ND	45.6
01/16/2003	A3055801	8021	ND	ND	ND	ND	ND	0.54 J	80	ND	7.8	ND	1.4 J	89.74
04/08/2003	A3329506	8021	ND	ND	ND	ND	3.4	ND	51	ND	3.9	ND	1.1 J	59.4
07/08/2003	A3649102	8021	ND	ND	ND	ND	2 J	ND	71	ND	2.8	ND	ND	75.8
10/13/2003	A3991401	8021	ND	ND	ND	ND	ND	ND	94	ND	6.1	ND	ND	100.1
01/09/2004	A4026202	8021	ND	ND	ND	ND	ND	ND	100	ND	8	ND	ND	108
04/13/2004	A4331805	8021	ND	ND	ND	ND	ND	1.1	88	ND	12	ND	ND	101.1
07/06/2004	A4636505	8021	ND	ND	1.6	1.9	ND	1.9	110	ND	23	ND	2	140.4
10/26/2004	A4A60201	8021	ND	ND	1.2	0.57 J	ND	1.3	140 E	ND	21	ND	0.85 J	164.92
01/20/2005	A5057701	8260	ND	ND	0.82 J	ND	1.1 J	0.91 J	74	ND	19	ND	ND	95.83
04/05/2005	A5317801	8260	ND	ND	1	0.63 J	ND	1.6	90 E	ND	31	ND	1.8	126.03
04/05/2005	A5317801DL	8260	ND	ND	ND	ND	2.8 D	ND	73 D	ND	24 D	ND	ND	99.8
07/11/2005	A5724702	8260/5ML	ND	ND	0.81 J	0.71 J	ND	1.3	73	ND	24	ND	ND	99.82
10/21/2005	A5B92601	8260	ND	ND	0.84 J	0.74 J	ND	1	78	ND	27	ND	1.8	109.38
01/24/2006	A6089104	8260	ND	ND	1.2	0.72 J	ND	1.3	81	ND	25	ND	2	111.22
04/13/2006	6D14002-05	8260	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57
01/09/2008	8A10002-04	8260	ND	ND	ND	ND	ND	ND	63	ND	29	ND	3	95
04/08/2008	8D09003-01	8260	ND	ND	ND	ND	2 B	ND	39	ND	12	ND	ND	53
07/25/2008	5426024	8260	ND	ND	ND	ND	ND	0.88 J	48	ND	21	ND	ND	69.88
10/14/2008	5498683	8260	ND	ND	ND	ND	ND	ND	46	ND	25	ND	ND	71
01/21/2009	5582432	8260	ND	ND	ND	ND	ND	ND	54	ND	19	ND	1.4 J	74.4
04/20/2009	5651169	8260	ND	ND	ND	ND	ND	1 J	64	ND	23	ND	2 J	90
07/13/2009	5722288	8260	ND	ND	ND	ND	ND	ND	50	ND	20	ND	ND	70

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799015	8260	ND	ND	ND	ND	ND	ND	41	ND	17	ND	ND	58
01/21/2010	5889954	8260	ND	ND	ND	ND	ND	0.99 J	59	ND	24	ND	ND	83.99
04/07/2010	5948418	8260	ND	ND	ND	ND	ND	0.93 J	41	ND	19	ND	ND	60.93
07/15/2010	6033917	8260	ND	ND	ND	ND	ND	1.1 J	51	ND	30	ND	ND	82.1
10/19/2010	6116888	8260	ND	ND	ND	ND	ND	ND	37	ND	27	ND	ND	64
01/26/2011	6192957	8260	ND	ND	ND	ND	ND	ND	44	ND	23	ND	1 J	68
04/14/2011	6259036	8260	ND	ND	ND	ND	ND	0.95 J	47	ND	20	ND	ND	67.95
07/25/2011	6355559	8260	ND	ND	1.1 J	ND	ND	1.1 J	51	ND	28	ND	2 J	83.2
10/10/2011	6433657	8260	ND	ND	ND	0.91 J	ND	1.1 J	53	ND	39	ND	2.4 J	96.41
01/19/2012	6527710	8260	ND	ND	ND	ND	ND	0.92 J	44	ND	21	ND	1.1 J	67.02
04/04/2012	6607028	8260	ND	ND	1.2 J	ND	ND	1.4 J	56	ND	40	ND	ND	98.6
07/19/2012	6728256	8260	ND	ND	ND	ND	ND	0.83 J	45	ND	39	ND	1.1 J	85.93
10/03/2012	6812013	8260	ND	ND	ND	ND	ND	ND	36	ND	27	ND	ND	63
01/17/2013	6926980	8260	ND	ND	ND	ND	ND	1.1 J	48	ND	24	ND	ND	73.1
04/09/2013	7016204	8260	ND	ND	1.4 J	ND	ND	1.4 J	59	ND	44	ND	ND	105.8

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-39M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035106	8021	ND	ND	ND	ND	ND	0.21 J	4.5	ND	8.7	ND	ND	13.41
04/19/2001	A1361308	624	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND	ND	0.32
07/10/2001	A1648711	8021	ND	ND	ND	ND	ND	ND	0.84 J	ND	2.6	ND	ND	3.44
10/18/2001	A1A23312	8021	ND	ND	ND	ND	ND	ND	11	ND	97	ND	ND	108
01/24/2002	A2076707	8021	ND	ND	ND	ND	1.9 J	ND	ND	ND	5.9	ND	ND	7.8
04/15/2002	A2370202	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	2.4
07/16/2002	A2722906	8021	ND	ND	ND	ND	ND	ND	0.31 J	ND	2	ND	ND	2.31
10/08/2002	A2999101	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	2.4	ND	ND	2.67
01/23/2003	A3075201	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
04/25/2003	A3389603	8021	ND	ND	ND	ND	ND	ND	0.61 J	ND	2.8	ND	ND	3.41
07/21/2003	A3699404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	2.6	ND	ND	3.8
10/22/2003	A3A21903	8021	ND	ND	ND	ND	ND	ND	5.4	ND	7.4	ND	ND	12.8
01/21/2004	A4053401	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.5	ND	ND	10.8
04/29/2004	A4402502	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	3.6
07/16/2004	A4674301	8260	ND	ND	ND	ND	ND	ND	4	ND	10	ND	ND	14
07/16/2004	A4674301	8021	ND	ND	ND	ND	ND	ND	4.9 E	ND	8.4	ND	ND	13.3
10/12/2004	A4A09405	8021	ND	ND	ND	ND	ND	ND	4	ND	8.1	ND	ND	12.1
01/12/2005	A5036106	8260	ND	ND	ND	ND	ND	ND	1.9	ND	140 E	ND	ND	141.9
01/12/2005	A5036106DL	8260									94 D			94
04/26/2005	A5414401	8260	ND	ND	ND	ND	ND	ND	0.8 J	ND	4.3	ND	ND	5.1
07/26/2005	A5791601	8260/5ML	ND	ND	ND	ND	ND	ND	3.3	ND	8.5	ND	ND	11.8
10/21/2005	A5B92802	8260	ND	ND	ND	ND	ND	ND	2	ND	4.8	ND	ND	6.8
01/26/2006	A6102406	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/20/2006	6D21003-03	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
07/18/2006	6G19003-03	8260	ND	ND	ND	ND	4 B	ND	7	ND	7	ND	ND	18
10/11/2006	6J12003-06RE1	8260	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
01/09/2007	7A10006-04	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/17/2007	7D18003-01	8260	ND	ND	ND	ND	ND	ND	2	ND	5	ND	ND	7
07/16/2007	7G17015-07	8260	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
10/15/2007	7J16003-01	8260	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-01	8260	ND	ND	ND	ND	ND	ND	4	ND	14	ND	ND	18
04/15/2008	8D16011-02	8260	ND	ND	ND	ND	5 B	ND	ND	ND	3	ND	ND	8
07/24/2008	5424626	8260	ND	ND	ND	ND	ND	ND	0.9 J	ND	4.1 J	ND	ND	5
10/16/2008	5501559	8260	ND	ND	ND	ND	ND	ND	0.87 J	ND	3 J	ND	ND	3.87
01/21/2009	5582425	8260	ND	ND	ND	ND	ND	ND	0.86 J	ND	2.5 J	ND	ND	3.36
04/16/2009	5649168	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	4.1 J	ND	ND	5.8
07/07/2009	5718467	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	3 J	ND	ND	4.4

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-39M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800391	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2 J	ND	ND	3
01/25/2010	5892341	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	5.9	ND	ND	8.3
04/15/2010	5955535	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	5.1	ND	ND	6.8
07/15/2010	6033921	8260	ND	ND	ND	ND	ND	ND	1.9 J	ND	4.4 J	ND	ND	6.3
10/18/2010	6115531	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	3.8 J	ND	ND	5.5
01/24/2011	6190817	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	3.6 J	ND	ND	4.9
04/20/2011	6264712	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	1.8
07/20/2011	6352281	8260	ND	ND	ND	ND	ND	ND	0.88 J	ND	2.2 J	ND	ND	3.08
10/11/2011	6434696	8260	ND	ND	ND	ND	ND	ND	0.94 J	ND	2.2 J	ND	ND	3.14
01/25/2012	6532443	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	4.8 J	ND	ND	5.9
04/05/2012	6608278	8260	ND	ND	ND	ND	ND	ND	3.2 J	ND	10	ND	ND	13.2
07/11/2012	6717363	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	7.3	ND	ND	10.1
10/04/2012	6814373	8260	ND	ND	ND	ND	ND	ND	4.8 J	ND	8.7	ND	ND	13.5
01/24/2013	6934228	8260	ND	ND	ND	ND	ND	ND	2.0 J	ND	10	ND	ND	12
04/02/2013	7007573	8260	ND	ND	ND	ND	ND	ND	1.8 J	ND	8.0	ND	ND	9.8

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035107	8021	ND	ND	ND	ND	ND	1.1	5.6	ND	ND	ND	1.5 J	8.2
04/19/2001	A1361306	624	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	0.97
07/10/2001	A1648710	8021	ND	ND	ND	ND	ND	0.26 J	3.2	ND	ND	ND	0.28 J	3.74
10/18/2001	A1A23311	8021	ND	ND	ND	ND	ND	ND	3.3	ND	41	ND	ND	44.3
01/22/2002	A2066012RE	8021	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	1.4 J	6.5
04/12/2002	A2351801	8021	ND	ND	ND	ND	ND	0.6 J	6	ND	ND	ND	0.87 J	7.47
07/12/2002	A2713907	8021	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
10/08/2002	A2999308	8021	ND	ND	ND	ND	ND	0.7 J	6.9	ND	0.58 J	ND	1 J	9.18
01/20/2003	A3060804	8021	ND	ND	ND	ND	ND	0.43 J	4.5	ND	0.29 J	ND	0.75 J	5.97
04/25/2003	A3389401	8021	ND	ND	ND	ND	ND	0.48 J	4.4	ND	ND	ND	0.58 J	5.46
07/17/2003	A3683703	8021	ND	ND	ND	ND	ND	0.38 J	3.8	ND	ND	ND	0.22 J	4.4
10/17/2003	A3A09004	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/20/2004	A4053202	8021	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	3.1
04/29/2004	A4402401	8021	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
07/16/2004	A4674201	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
07/16/2004	A4674201	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
10/12/2004	A4A09702	8021	ND	ND	ND	ND	ND	0.53 J	6.1	ND	ND	ND	ND	6.63
01/12/2005	A5036203	8260	ND	ND	ND	ND	ND	0.62 J	4.8	ND	0.38 J	ND	ND	5.8
04/26/2005	A5414301	8260	ND	ND	ND	ND	ND	0.6 J	4.3	ND	0.3 J	ND	ND	5.2
07/26/2005	A5791602	8260/5ML	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
10/21/2005	A5B92602	8260	ND	ND	ND	ND	ND	0.73 J	4.8	ND	0.91 J	ND	ND	6.44
01/27/2006	A6102501	8260	ND	ND	ND	ND	ND	0.64 J	5.4	ND	1.6	ND	ND	7.64
04/20/2006	6D21003-04	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
07/18/2006	6G19003-04	8260	ND	ND	ND	ND	5 B	ND	4	ND	1	ND	ND	10
10/11/2006	6J12003-05	8260	ND	ND	ND	ND	ND	ND	5	ND	2	ND	ND	7
01/05/2007	7A05012-04	8260	ND	ND	ND	ND	3 B	ND	6	ND	3	ND	ND	12
04/17/2007	7D18003-02	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
07/16/2007	7G17015-10	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
10/15/2007	7J16003-02	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
01/09/2008	8A10002-06	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
04/15/2008	8D16011-03	8260	ND	ND	ND	ND	4 B	ND	4	ND	3	ND	ND	11
07/23/2008	5423261	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.6 J	ND	ND	4.7
10/16/2008	5501558	8260	ND	ND	ND	ND	ND	ND	6.1	ND	3.2 J	ND	ND	9.3
01/21/2009	5582426	8260	ND	ND	ND	ND	ND	ND	5.9	ND	2.9 J	ND	ND	8.8
04/16/2009	5649167	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.5 J	ND	ND	6.4
07/07/2009	5718466	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	1.7 J	ND	ND	4.4
10/07/2009	5800392	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.6 J	ND	ND	4.4

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892342	8260	ND	ND	ND	ND	ND	ND	4.1 J	ND	2.6 J	ND	ND	6.7
04/15/2010	5955536	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.7 J	ND	ND	6.6
07/19/2010	6036148	8260	ND	ND	ND	ND	ND	ND	3.7 J	ND	2.5 J	ND	ND	6.2
10/18/2010	6115534	8260	ND	ND	ND	ND	ND	ND	4.4 J	ND	2 J	ND	ND	6.4
01/24/2011	6190816	8260	ND	ND	ND	ND	ND	ND	6.6	ND	4.2 J	ND	ND	10.8
04/20/2011	6264714	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.7 J	ND	ND	4.5
07/20/2011	6352282	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	2 J	ND	ND	5.4
10/11/2011	6434699	8260	ND	ND	ND	ND	ND	0.91 J	4.7 J	ND	2.1 J	ND	ND	7.71
01/18/2012	6526477	8260	ND	ND	ND	ND	ND	ND	4.2 J	ND	1.8 J	ND	ND	6
04/05/2012	6608277	8260	ND	ND	ND	ND	ND	ND	3.8 J	ND	6.1	ND	ND	9.9
07/11/2012	6717361	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	2.1 J	ND	ND	4.7
10/04/2012	6814370	8260	ND	ND	ND	ND	ND	ND	3.6 J	ND	2.4 J	ND	ND	6
01/24/2013	6934227	8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	2.2 J	ND	ND	5.5
04/02/2013	7007574	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	1.6 J	ND	ND	4.2

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035108	8021	ND	ND	ND	ND	ND	1.3	3.1	ND	0.37 J	ND	ND	4.77
04/19/2001	A1361312	624	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	0.45
07/10/2001	A1648709	8021	ND	ND	ND	ND	ND	0.55 J	1.6	ND	0.38 J	ND	ND	2.53
10/18/2001	A1A23308	8021	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	100
01/23/2002	A2076802RI	8021	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	3.5
04/15/2002	A2370101	8021	ND	ND	ND	ND	ND	ND	1.8	ND	1 J	ND	ND	2.8
07/15/2002	A2723101	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.47 J	ND	ND	1.67
10/08/2002	A2999207	8021	ND	ND	ND	ND	ND	0.38 J	1.4	ND	0.84 J	ND	ND	2.62
01/21/2003	A3069004	8021	ND	ND	ND	ND	ND	0.44 J	1.5	ND	0.81 J	ND	ND	2.75
04/28/2003	A3399801	8021	ND	ND	ND	ND	ND	0.57 J	2.3	ND	ND	ND	ND	2.87
07/17/2003	A3683705	8021	ND	ND	ND	ND	ND	0.52 J	2.3	ND	0.65 J	ND	ND	3.47
10/17/2003	A3A09005	8021	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.7
01/21/2004	A4053204	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/30/2004	A4402402	8021	ND	ND	ND	ND	ND	1.2	3.1	ND	ND	ND	ND	4.3
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	8260	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/18/2006	6G19003-02	8260	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
10/12/2006	6J16007-01RE1	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2007	7A10006-07	8260	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
04/17/2007	7D18003-03	8260	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
07/16/2007	7G17015-09	8260	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
10/15/2007	7J16003-03	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2008	8A10002-05	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/16/2008	8D16026-01	8260	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
07/16/2008	5417443	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/16/2008	5501557	8260	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	4.6
01/21/2009	5582427	8260	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	1.5 J	7.4
04/16/2009	5649169	8260	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	1.4 J	8.2
07/07/2009	5718464	8260	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND	ND	4.3
10/07/2009	5800393	8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	3.3

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892343	8260	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
04/15/2010	5955537	8260	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	1.8 J	7.8
07/19/2010	6036149	8260	ND	ND	ND	ND	ND	ND	4.1 J	ND	ND	ND	ND	4.1
10/18/2010	6115535	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	3.1
01/24/2011	6190821	8260	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	3.8
04/20/2011	6264717	8260	ND	ND	ND	ND	ND	ND	7.4	ND	ND	ND	2.9 J	10.3
07/20/2011	6352283	8260	ND	ND	ND	ND	ND	ND	4.9 J	ND	ND	ND	ND	4.9
10/11/2011	6434700	8260	ND	ND	ND	ND	ND	ND	4.4 J	ND	ND	ND	ND	4.4
01/18/2012	6526476	8260	ND	ND	ND	ND	ND	ND	6.2	ND	5.8	ND	ND	12
04/05/2012	6608276	8260	ND	ND	ND	ND	ND	ND	7.9	ND	10	ND	ND	17.9
07/11/2012	6717360	8260	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	5.8
10/04/2012	6814365	8260	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	4.6
01/24/2013	6934226	8260	ND	ND	ND	ND	ND	ND	7.8	ND	ND	ND	ND	7.8
04/02/2013	7007575	8260	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	6.8

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- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035114	8021	ND	ND	ND	ND	2.1 J	1.2	51	ND	23	ND	ND	77.3
04/20/2001	A1366404	624	ND	ND	ND	ND	ND	ND	39	ND	380 D	ND	ND	419
07/11/2001	A1648704	8021	ND	ND	0.27 J	ND	ND	1.4	45	ND	14	ND	9.4	70.07
10/17/2001	A1A23307	8021	ND	ND	ND	ND	ND	0.4 J	12	ND	3	ND	ND	15.4
11/12/2001	A1B23801	8021	ND	ND	ND	ND	ND	0.56 J	8	ND	4	ND	ND	12.56
01/24/2002	A2076710	8021	ND	ND	ND	ND	ND	0.5 J	8.2	ND	4.8	ND	0.44 J	13.94
04/18/2002	A2378803	8021	ND	ND	ND	ND	ND	0.43 J	4.2	ND	4.1	ND	ND	8.73
07/16/2002	A2722908	8021	ND	ND	ND	ND	ND	0.6 J	8.2	ND	3.9	ND	ND	12.7
10/11/2002	A2A14401	8021	ND	ND	ND	ND	ND	1.5	16	ND	6	ND	ND	23.5
01/23/2003	A3075204	8021	ND	ND	ND	ND	ND	ND	8.9	ND	12	ND	ND	20.9
04/23/2003	A3376302	8021	ND	ND	ND	ND	ND	1.2	12	ND	6.9	ND	0.67 J	20.77
07/22/2003	A3699405	8021	ND	ND	ND	ND	ND	1	15	ND	5.2	ND	ND	21.2
10/22/2003	A3A28303	8021	ND	ND	ND	ND	ND	2	28	ND	8.2	ND	1.4 J	39.6
01/21/2004	A4053402	8021	ND	ND	ND	ND	ND	ND	11	ND	6.9	ND	ND	17.9
04/28/2004	A4387603	8021	ND	ND	ND	ND	ND	1.1	10	ND	4.9	ND	ND	16
07/09/2004	A4647101	8021	ND	ND	ND	ND	ND	1	8.5	ND	4.3	ND	ND	13.8
10/08/2004	A4994202	8021	ND	ND	ND	ND	ND	ND	6.2	ND	3.5	ND	ND	9.7
01/18/2005	A5051101	8260	ND	ND	ND	ND	ND	0.34 J	2.6	ND	2.6	ND	ND	5.54
04/26/2005	A5414403	8260	ND	ND	ND	ND	ND	0.43 J	5.1	ND	3.6	ND	ND	9.13
07/26/2005	A5791701	8260/5ML	ND	ND	ND	ND	ND	1	8.2	ND	3.9	ND	ND	13.1
10/20/2005	A5B92005	8260	ND	ND	ND	ND	ND	1.5	13	ND	5.9	ND	2.2	22.6
01/24/2006	A6089108	8260	ND	ND	ND	ND	ND	ND	4.1	ND	2.9	ND	ND	7
04/19/2006	6D20002-05	8260	ND	ND	ND	ND	ND	ND	6	ND	4	ND	ND	10
07/18/2006	6G19003-08	8260	ND	ND	ND	ND	5 B	ND	7	ND	3	ND	ND	15
10/11/2006	6J12003-03	8260	ND	ND	ND	ND	ND	1	10	ND	4	ND	ND	15
01/10/2007	7A11003-01	8260	ND	ND	ND	ND	ND	ND	3	ND	2	ND	ND	5
04/16/2007	7D17002-01	8260	ND	ND	ND	ND	ND	ND	5	ND	3	ND	ND	8
07/16/2007	7G17015-02	8260	ND	ND	ND	ND	2	ND	3	ND	2	ND	ND	7
10/09/2007	7J10006-09	8260	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-02	8260	ND	ND	ND	ND	ND	ND	8	ND	4	ND	ND	12
04/14/2008	8D15002-01	8260	ND	ND	ND	ND	2 B	ND	6	ND	3	ND	ND	11
07/23/2008	5423257	8260	ND	ND	ND	ND	ND	0.81 J	6.8	ND	2.4 J	ND	ND	10.01
10/16/2008	5501561	8260	ND	ND	ND	ND	ND	ND	16	ND	31	ND	ND	47
01/21/2009	5582431	8260	ND	ND	ND	ND	ND	ND	6.8	ND	5 J	ND	ND	11.8
04/15/2009	5647725	8260	ND	ND	ND	ND	ND	1.3 J	11	ND	3.7 J	ND	ND	16
07/07/2009	5718476	8260	ND	ND	ND	ND	ND	0.98 J	7.8	ND	2.7 J	ND	ND	11.48
10/07/2009	5800382	8260	ND	ND	ND	ND	ND	ND	6.8	ND	2.6 J	ND	ND	9.4

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888920	8260	ND	ND	ND	ND	ND	0.81 J	8.3	ND	2.6 J	ND	ND	11.71
04/13/2010	5953085	8260	ND	ND	ND	ND	ND	1.6 J	14	ND	3.7 J	ND	ND	19.3
07/14/2010	6032685	8260	ND	ND	ND	ND	ND	1 J	9.1	ND	2.6 J	ND	ND	12.7
10/14/2010	6113373	8260	ND	ND	ND	ND	ND	ND	6.9	ND	2 J	ND	ND	8.9
01/25/2011	6191892	8260	ND	ND	ND	ND	ND	1.1 J	10	ND	2.7 J	ND	ND	13.8
04/19/2011	6263086	8260	ND	ND	ND	ND	ND	1.2 J	10	ND	3.8 J	ND	ND	15
07/13/2011	6343977	8260	ND	ND	ND	ND	ND	ND	6.9	ND	2.6 J	ND	ND	9.5
10/12/2011	6435897	8260	ND	ND	ND	ND	ND	ND	5.3	ND	1.9 J	ND	ND	7.2
01/18/2012	6526475	8260	ND	ND	ND	ND	ND	ND	5.7	ND	2.1 J	ND	ND	7.8
04/09/2012	6610605	8260	ND	ND	ND	ND	ND	1.7 J	16	ND	13	ND	1.2 J	31.9
07/18/2012	6726433	8260	ND	ND	ND	ND	ND	0.90 J	8.3	ND	3.1 J	ND	ND	12.3
10/02/2012	6810726	8260	ND	ND	ND	ND	ND	0.83 J	6.5	ND	2.3 J	ND	ND	9.63
01/22/2013	6931421	8260	ND	ND	ND	ND	ND	ND	6.3	ND	3.2 J	ND	ND	9.5
04/04/2013	7011181	8260	ND	ND	ND	ND	ND	1.3 J	11	ND	7.7	ND	ND	20

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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035113	8021	ND	ND	1.4	ND	ND	ND	34	ND	4.5	ND	2.7	42.6
04/20/2001	A1366405	624	ND	ND	ND	ND	ND	ND	4.6	ND	2.9	ND	ND	7.5
07/11/2001	A1648701	8021	ND	ND	0.35 J	ND	ND	ND	2.1	ND	0.83 J	ND	0.3 J	3.58
11/12/2001	A1B23802	8021	ND	ND	ND	ND	ND	ND	14	ND	6.4	ND	0.37 J	20.77
01/21/2002	A2066007	8021	ND	ND	ND	ND	ND	0.61 J	13	ND	6.1	ND	ND	19.71
04/11/2002	A2348302	8021	ND	ND	ND	ND	ND	0.61 J	11	ND	6.3	ND	ND	17.91
07/11/2002	A2708317	8021	ND	ND	ND	ND	ND	ND	10	ND	5.4	ND	ND	15.4
10/08/2002	A2999303	8021	ND	ND	ND	ND	ND	0.38 J	6	ND	4.3	ND	0.29 J	10.97
01/16/2003	A3055804	8021	ND	ND	0.29 J	ND	ND	0.4 J	6.3	ND	3.4	ND	1.2 J	11.59
04/29/2003	A3398701	8021	ND	ND	ND	ND	ND	ND	3.8	ND	2.4	ND	0.34 J	6.54
07/17/2003	A3683706	8021	ND	ND	ND	ND	ND	ND	2.1	ND	1.1 J	ND	ND	3.2
10/16/2003	A3A09002	8021	ND	ND	ND	ND	ND	ND	3.7	ND	8.1	ND	ND	11.8
01/20/2004	A4053201	8021	ND	ND	ND	ND	ND	ND	10	ND	8.9	ND	ND	18.9
04/28/2004	A4387602	8021	ND	ND	ND	ND	ND	ND	2	ND	1.4	ND	ND	3.4
07/09/2004	A4647301	8021	ND	ND	ND	ND	ND	ND	4.3	ND	8.2	ND	ND	12.5
10/07/2004	A4994505	8021	ND	ND	ND	ND	ND	ND	7.4	ND	36	ND	ND	43.4
01/18/2005	A5051001	8260	ND	ND	ND	ND	ND	0.82 J	8.9	ND	5.5	ND	1.5 J	16.72
04/21/2005	A5402202	8260	ND	ND	ND	ND	ND	0.83 J	10	ND	40 E	ND	ND	50.83
04/21/2005	A5402202DL	8260	ND	ND	ND	ND	ND	0.69 DJ	8.6 D	ND	34 D	ND	ND	43.29
07/26/2005	A5791702	8260/5ML	ND	ND	ND	ND	ND	1.6	17	ND	79	ND	ND	97.6
10/20/2005	A5B91801	8260	ND	ND	ND	ND	ND	0.64 J	6	ND	6.8	ND	1.3 J	14.74
01/26/2006	A6102402	8260	ND	ND	ND	ND	ND	0.74 J	12	ND	4.6	ND	3.8	21.14
04/20/2006	6D21003-01	8260	ND	ND	ND	ND	ND	ND	12	ND	3	ND	3	18
07/18/2006	6G19003-07	8260	ND	ND	ND	ND	4 B	ND	8	ND	4	ND	ND	16
10/11/2006	6J12003-02	8260	ND	ND	ND	ND	ND	1	12	ND	36	ND	ND	49
01/10/2007	7A11003-02	8260	ND	ND	ND	ND	ND	ND	12	ND	5	ND	4	21
04/16/2007	7D17002-02	8260	ND	ND	ND	ND	ND	ND	9	ND	2	ND	ND	11
07/16/2007	7G17015-03	8260	ND	ND	ND	ND	ND	ND	9	ND	2	ND	3	14
10/10/2007	7J11002-07	8260	ND	ND	ND	ND	ND	ND	8	ND	3	ND	2	13
01/14/2008	8A15002-03	8260	ND	ND	ND	ND	ND	ND	9	ND	2	ND	2	13
04/14/2008	8D15002-02	8260	ND	ND	ND	ND	3 B	ND	5	ND	ND	ND	ND	8
07/23/2008	5423258	8260	ND	ND	ND	ND	ND	ND	8.5	ND	2.3 J	ND	2.6 J	13.4
10/16/2008	5501560	8260	ND	ND	ND	ND	ND	ND	10	ND	2.8 J	ND	3.1 J	15.9
01/15/2009	5578617	8260	ND	ND	ND	ND	ND	ND	9.1	ND	5.3	ND	2.5 J	16.9
04/15/2009	5647721	8260	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	2.2 J	9.4
07/07/2009	5718475	8260	ND	ND	ND	ND	ND	ND	8.4	ND	2 J	ND	2.6 J	13
10/07/2009	5800384	8260	ND	ND	ND	ND	ND	ND	7.7	ND	2.7 J	ND	2.1 J	12.5

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888917	8260	ND	ND	ND	ND	ND	ND	6	ND	1.7 J	ND	1.5 J	9.2
04/13/2010	5953084	8260	ND	ND	ND	ND	ND	ND	5.9	ND	2.6 J	ND	ND	8.5
07/14/2010	6032683	8260	ND	ND	ND	ND	ND	ND	9.9	ND	2.8 J	ND	3 J	15.7
10/12/2010	6109758	8260	ND	ND	ND	ND	ND	ND	9.4	ND	3.3 J	ND	2.6 J	15.3
01/25/2011	6191891	8260	ND	ND	ND	ND	ND	ND	9.8	ND	3.1 J	ND	2.7 J	15.6
04/19/2011	6263085	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	3.1
07/13/2011	6343976	8260	ND	ND	ND	ND	ND	ND	11	ND	3.8 J	ND	5.1	19.9
10/12/2011	6435898	8260	ND	ND	ND	ND	ND	ND	11	ND	3.4 J	ND	2.3 J	16.7
01/16/2012	6523836	8260	ND	ND	ND	ND	ND	ND	10	ND	3.3 J	ND	4.0 J	17.3
04/09/2012	6610604	8260	ND	ND	ND	ND	ND	ND	15	ND	27	ND	ND	42
07/18/2012	6726434	8260	ND	ND	ND	ND	ND	ND	11	ND	3.0 J	ND	4.3 J	18.3
10/02/2012	6810725	8260	ND	ND	ND	ND	ND	ND	11	ND	3.4 J	ND	2.9 J	17.3
01/22/2013	6931417	8260	ND	ND	ND	ND	ND	ND	5.9	ND	1.6 J	ND	3.1 J	10.6
04/04/2013	7011178	8260	ND	ND	ND	ND	ND	ND	9.5	ND	15	ND	ND	24.5

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041307	8021	ND	ND	7.6	1.2	ND	1.1	38	1.9	8	ND	15	72.8
04/25/2001	A1382101	8021	ND	ND	6	ND	ND	0.25 J	33	0.4 J	4.3	ND	7.7	51.65
07/11/2001	A1648703	8021	ND	ND	4.5	ND	ND	ND	23	ND	3	ND	2.4	32.9
11/12/2001	A1B23803	8021	ND	ND	6.1	ND	ND	ND	33	ND	27	ND	4.5	70.6
01/22/2002	A2066013	8021	ND	ND	ND	ND	14	ND	22	ND	ND	ND	ND	36
04/12/2002	A2351802	8021	ND	ND	7.6	ND	ND	ND	33	ND	5.9	ND	5.6	52.1
07/15/2002	A2723103	8021	ND	ND	7.8	ND	ND	ND	28	ND	5.5	ND	4.4	45.7
10/09/2002	A2A07501	8021	ND	ND	9.2	ND	ND	ND	49	0.76 J	10	ND	15	83.96
01/21/2003	A3069001	8021	ND	0.54 J	7.4	ND	ND	ND	25	ND	5.5	ND	4.9	43.34
04/29/2003	A3398702	8021	ND	ND	11	ND	ND	ND	44	0.79 J	10	ND	27	92.79
07/17/2003	A3683704	8021	ND	ND	8.3	ND	ND	ND	36	0.45 J	4.8	ND	13	62.55
10/17/2003	A3A09003	8021	ND	ND	8.4	ND	ND	ND	26	ND	1.6	ND	20	56
01/20/2004	A4053203	8021	ND	ND	9.1	ND	ND	ND	15	ND	1.9	ND	9.7	35.7
04/28/2004	A4387601	8021	ND	ND	8.5	ND	ND	ND	27	ND	3.2	ND	23	61.7
07/09/2004	A4647302	8021	ND	ND	8	ND	ND	ND	15	ND	1.6	ND	19	43.6
10/07/2004	A4994504	8021	ND	ND	6.3	ND	ND	ND	5	ND	2.4	ND	5.6	19.3
01/18/2005	A5051002	8260	ND	ND	8.1	ND	ND	0.34 J	9.1	0.25 J	2.4	ND	4.9	25.09
04/21/2005	A5402201	8260	ND	ND	7.3	ND	ND	0.47 J	21	0.49 J	5.8	ND	15	50.06
07/22/2005	A5778502	8260/5ML	ND	ND	5.9	ND	ND	ND	14	ND	3.6	ND	5.5	29
10/21/2005	A5B92604	8260	ND	ND	8.7	ND	ND	ND	9.1	ND	3.7	ND	6.6	28.1
01/26/2006	A6102403	8260	ND	ND	9.1	ND	ND	0.63 J	16	0.65 J	8.1	ND	16	50.48
04/20/2006	6D21003-02	8260	ND	ND	7	ND	ND	ND	7	ND	2	ND	8	24
07/18/2006	6G19003-06	8260	ND	ND	7	ND	11 B	ND	8	ND	3	ND	5	34
10/11/2006	6J12003-04	8260	ND	ND	8	ND	ND	ND	12	ND	6	ND	9	35
01/10/2007	7A11003-03	8260	ND	ND	6	ND	ND	ND	5	ND	10	ND	6	27
04/17/2007	7D18003-04	8260	ND	ND	5	ND	ND	ND	1	ND	ND	ND	3	9
07/16/2007	7G17015-04	8260	ND	ND	7	ND	ND	ND	8	ND	5	ND	7	27
10/10/2007	7J11002-08	8260	ND	ND	6	ND	ND	ND	7	ND	4	ND	4	21
01/14/2008	8A15002-04	8260	ND	ND	7	ND	ND	ND	9	ND	5	ND	6	27
04/15/2008	8D16011-01	8260	ND	ND	5	ND	4 B	ND	4	ND	2	ND	4	19
07/28/2008	5426819	8260	ND	ND	7.7	ND	ND	ND	8.1	ND	5.2	ND	7.2	28.2
10/16/2008	5501564	8260	ND	ND	9.6	ND	ND	ND	11	ND	6.7	ND	7.5	34.8
01/15/2009	5578616	8260	ND	ND	8.3	ND	ND	ND	8.9	ND	7.4	ND	6.3	30.9
04/15/2009	5647726	8260	ND	ND	7	ND	ND	ND	5.8	ND	4.4 J	ND	5 J	22.2
07/07/2009	5718477	8260	ND	ND	8.6	ND	ND	ND	9.5	ND	5.7	ND	6.9	30.7
10/07/2009	5800386	8260	ND	ND	9	ND	ND	ND	9.3	ND	5.7	ND	9.1	33.1
01/20/2010	5888916	8260	ND	ND	10	ND	ND	ND	11	ND	6.8	ND	7.3	35.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/12/2010	5951991	8260	ND	ND	7	ND	ND	ND	5.7	ND	3.4 J	ND	6	22.1
07/14/2010	6032684	8260	ND	ND	9.3	ND	ND	ND	10	ND	5.6	ND	6.9	31.8
10/12/2010	6109757	8260	ND	ND	11	ND	ND	ND	11	ND	6.3	ND	7.9	36.2
01/25/2011	6191893	8260	ND	ND	8.8	ND	ND	ND	10	ND	5.5	ND	7.1	31.4
04/19/2011	6263084	8260	ND	ND	6.7	ND	ND	ND	2.8 J	ND	1.5 J	ND	4.3 J	15.3
07/13/2011	6343973	8260	ND	ND	11	ND	ND	ND	12	ND	5.9	ND	7.1	36
10/12/2011	6435904	8260	ND	ND	9.9	ND	ND	0.82 J	12	ND	6.1	ND	6.6	35.42
01/16/2012	6523835	8260	ND	ND	8.6	ND	ND	ND	11	ND	5.5	ND	5.7	30.8
04/09/2012	6610603	8260	ND	ND	7.2	ND	ND	ND	53	ND	68	ND	6.5	134.7
07/18/2012	6726432	8260	ND	ND	8.7	ND	ND	ND	6.5	ND	3.2 J	ND	3.7 J	22.1
10/02/2012	6810731	8260	ND	ND	9.3	ND	ND	ND	13	ND	5.2	ND	7.4	34.9
01/24/2013	6934234	8260	ND	ND	8.4	ND	ND	ND	11	ND	4.8 J	ND	4.8 J	29
04/04/2013	7011177	8260	ND	ND	6.6	ND	ND	ND	26	ND	46	ND	4.7 J	83.3

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-45M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052404	8021	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
04/18/2001	A1361301	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2001	A1682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039404	8021	ND	ND	ND	ND	ND	0.72 J	7.3	ND	0.66 J	ND	0.24 J	8.92
04/08/2002	A2332604	8260	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
07/08/2002	A2695504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980606	8021	ND	ND	ND	ND	ND	ND	0.21 J	ND	0.67 J	ND	ND	0.88
01/13/2003	A3038007	8021	ND	ND	ND	ND	ND	ND	1.6	ND	0.67 J	ND	ND	2.27
04/08/2003	A3329702	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/03/2003	A3639718	8021	ND	ND	ND	ND	ND	ND	8.8	ND	66 E	ND	ND	74.8
07/03/2003	A3639718RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47804	8021	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
01/13/2005	A5036406	8260	ND	ND	ND	ND	ND	ND	0.86 J	ND	0.7 J	ND	ND	1.56
04/05/2005	A5317608	8260	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	0.35
07/12/2005	A5733103	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-02	8260	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/10/2007	7G11015-10	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426026	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	1.3
07/14/2009	5723627	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031613	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350146	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2012	6719393	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-46M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052405	8021	ND	0.62 J	ND	ND	1.4 J	2.3	54	ND	2.8	ND	3.2	64.32
04/18/2001	A1361304	624	ND	ND	ND	ND	ND	ND	5.8	ND	0.26	ND	ND	6.06
07/18/2001	A1682905	8021	ND	ND	ND	ND	ND	0.32 J	29	ND	1.7	ND	0.61 J	31.63
10/12/2001	A1A01004	8021	ND	ND	ND	ND	ND	0.46 J	41	ND	1.1 J	ND	2.3	44.86
01/15/2002	A2039405	8021	ND	ND	ND	ND	ND	0.46 J	31	ND	1.3	ND	1.7 J	34.46
04/09/2002	A2332611	8260	ND	ND	0.28 J	0.23 J	ND	0.88 J	62 D	ND	2.7	ND	1.8	67.89
07/09/2002	A2695508	8021	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	52
10/03/2002	A2980608	8021	ND	ND	ND	ND	ND	ND	120	ND	6.6	ND	3.3	129.9
01/14/2003	A3043003	8021	ND	ND	ND	ND	ND	1.1	58	ND	3.4	ND	2.9	65.4
04/08/2003	A3329705	8021	ND	ND	ND	ND	ND	ND	12	ND	0.44 J	ND	0.52 J	12.96
07/02/2003	A3639701	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	1.4 J	37.4
10/09/2003	A3978812	8021	ND	ND	ND	ND	ND	ND	150	ND	5.1	ND	3.8	158.9
01/08/2004	A4026306	8021	ND	ND	ND	ND	ND	ND	23	ND	1.5	ND	1.1 J	25.6
04/13/2004	A4331506	8021	ND	ND	ND	ND	ND	ND	82	ND	6.9	ND	2.5	91.4
06/30/2004	A4619405	8021	ND	ND	1.3	ND	ND	2.6	120	ND	8.7	ND	6.4	139
10/22/2004	A4A47805	8021	ND	ND	0.67 J	ND	ND	1.7	130 D	ND	9.2	ND	4.1	147.37
01/13/2005	A5036407	8260	ND	ND	ND	ND	ND	1.8	100	ND	11	ND	5.4	118.2
04/05/2005	A5317609	8260	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	1.8
07/12/2005	A5733104	8260/5ML	ND	ND	0.57 J	ND	ND	1.6	82	ND	8.2	ND	5.6	97.97
07/20/2006	6G21005-01	8260	ND	ND	ND	ND	3	1	59	ND	7	ND	4	74
07/10/2007	7G11015-11RE1	8260	ND	ND	ND	ND	ND	ND	33	ND	5	ND	2	40
07/25/2008	5426034	8260	ND	ND	ND	ND	ND	ND	18	ND	1.2 J	ND	2.7 J	21.9
07/14/2009	5723629	8260	ND	ND	ND	ND	ND	ND	28	ND	4.3 J	ND	3.2 J	35.5
07/13/2010	6031617	8260	ND	ND	ND	ND	ND	ND	29	ND	7.7	ND	2.7 J	39.4
07/19/2011	6350138	8260	ND	ND	ND	ND	ND	ND	38	ND	8.9	ND	3 J	49.9
07/12/2012	6719403	8260	ND	ND	ND	ND	ND	ND	46	ND	10	ND	3.3 J	59.3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041306	8021	ND	ND	ND	ND	ND	5.8	77	ND	31	ND	18	131.8
04/25/2001	A1382104	8021	ND	ND	ND	ND	ND	ND	10	ND	37	ND	ND	47
07/11/2001	A1648712	8021	ND	0.84 J	ND	ND	1.2 J	2.6	90	ND	9.6	ND	25	129.24
10/17/2001	A1A23302	8021	ND	ND	ND	ND	3.1	ND	13	ND	170	ND	ND	186.1
01/24/2002	A2076709	8021	ND	ND	ND	ND	ND	0.63 J	9.7	ND	15	ND	ND	25.33
04/15/2002	A2370204	8021	ND	ND	ND	ND	ND	0.46 J	7.8	ND	22	ND	ND	30.26
07/16/2002	A2722917	8021	ND	ND	ND	ND	ND	0.53 J	8.2	ND	25	ND	ND	33.73
10/09/2002	A2A07505	8021	ND	ND	ND	ND	ND	ND	8.2	ND	17	ND	ND	25.2
01/23/2003	A3075203	8021	ND	ND	ND	ND	ND	ND	7.9	ND	15	ND	ND	22.9
04/28/2003	A3399701	8021	ND	ND	ND	ND	ND	1	16	ND	20	ND	0.55 J	37.55
07/18/2003	A3689002	8021	ND	ND	ND	ND	ND	0.67 J	12	ND	13	ND	ND	25.67
10/22/2003	A3A28304	8021	ND	ND	ND	ND	ND	ND	10	ND	13	ND	ND	23
01/22/2004	A4057103	8021	ND	ND	ND	ND	ND	ND	3	ND	6.5	ND	ND	9.5
04/27/2004	A4387502	8021	ND	ND	ND	ND	ND	ND	3.2	ND	8.5	ND	ND	11.7
07/13/2004	A4663802	8021	ND	ND	ND	ND	ND	ND	2.6	ND	6.7	ND	ND	9.3
10/13/2004	A4A09401	8021	ND	ND	ND	ND	ND	ND	4.1	ND	6.6	ND	ND	10.7
01/12/2005	A5036102	8260	ND	ND	ND	ND	ND	ND	1.4	ND	5	ND	ND	6.4
04/21/2005	A5402002	8260	ND	ND	ND	ND	ND	ND	1	ND	4.6	ND	ND	5.6
07/21/2005	A5768402	8260/5ML	ND	ND	ND	ND	ND	ND	1.6	ND	5.6	ND	ND	7.2
10/20/2005	A5B92002	8260	ND	ND	ND	ND	ND	ND	2.3	ND	6.1	ND	ND	8.4
01/24/2006	A6089114	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	2.2	ND	ND	2.99
04/18/2006	6D19002-01	8260	ND	ND	ND	ND	2	ND	ND	ND	3	ND	ND	5
07/21/2006	6G21018-01	8260	ND	ND	ND	ND	ND	ND	2	ND	4	ND	ND	6
10/12/2006	6J16007-03RE1	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
01/05/2007	7A05012-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
04/11/2007	7D12002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/12/2007	7G13019-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
10/11/2007	7J12012-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/24/2008	5424628	8260	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.9 J	ND	ND	3.85
10/15/2008	5499971	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	2.9 J	ND	ND	4.3
01/14/2009	5577591	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	2.7 J	ND	ND	4
04/14/2009	5646767	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/09/2009	5720681	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	2.4 J	ND	ND	3.5
10/05/2009	5797960	8260	ND	ND	ND	ND	ND	ND	0.91 J	ND	2.3 J	ND	ND	3.21
01/21/2010	5889955	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954142	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7
07/14/2010	6032690	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7
10/14/2010	6113374	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	1.5
01/25/2011	6191898	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2011	6261654	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	1.5
07/20/2011	6352284	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/11/2011	6434705	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2012	6526474	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2012	6612012	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	2.1
07/18/2012	6726438	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/02/2012	6810735	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2013	6931411	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	1
04/03/2013	7010222	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	1.8

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041305	8021	ND	ND	ND	ND	ND	ND	2.2	ND	0.55 J	ND	ND	2.75
04/25/2001	A1382103	8021	ND	ND	ND	ND	ND	ND	0.72 J	ND	2.3	ND	ND	3.02
07/11/2001	A1648717	8021	ND	ND	ND	ND	ND	ND	0.74 J	ND	1.8	ND	ND	2.54
10/17/2001	A1A23301	8021	ND	ND	ND	ND	ND	ND	2.2	ND	120	ND	ND	122.2
01/24/2002	A2076706	8021	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	3.2
04/15/2002	A2370201	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	ND	ND	0.45
07/15/2002	A2722904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2002	A2A07504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2003	A3068903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2003	A3376303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2003	A3689001	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	0.31
10/22/2003	A3A21904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2004	A4057102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/2004	A4387503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4663803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2004	A4A09402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/2005	A5036103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2005	A5402003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2005	A5768403	8260/5ML	ND	ND	ND	ND	ND	ND	0.51 J	ND	2.6	ND	ND	3.11
10/20/2005	A5B92003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089115	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2006	6D19002-02	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/21/2006	6G21018-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2006	6J16007-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/05/2007	7A05012-02	8260	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
04/11/2007	7D12002-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-05	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417445	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499972	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2009	5577588	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2009	5646768	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720679	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797959	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889957	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954141	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2010	6032691	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2010	6113375	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/2011	6191901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2011	6261655	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2011	6352287	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2011	6434706	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2012	6524428	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/11/2012	6613965	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	1.8
07/18/2012	6726440	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/02/2012	6810736	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2013	6931412	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2013	7010223	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.



# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-50M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043903	8021	ND	ND	ND	ND	ND	ND	1.7	ND	5.8	ND	ND	7.5
04/17/2001	A1345703	624	ND	ND	ND	ND	ND	ND	ND	ND	8.6	ND	ND	8.6
07/13/2001	A1663810	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	6	ND	ND	6.32
10/10/2001	A1994704	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	6.1	ND	ND	6.48
01/22/2002	A2066011RE	8021	ND	ND	ND	ND	ND	ND	2.2	ND	10	ND	ND	12.2
04/11/2002	A2348303	8021	ND	ND	ND	ND	ND	ND	4.7	ND	16	ND	ND	20.7
07/12/2002	A2713908	8021	ND	ND	ND	ND	ND	ND	7.2	ND	19	ND	ND	26.2
10/08/2002	A2999310	8021	ND	ND	ND	ND	ND	0.26 J	6	ND	10	ND	ND	16.26
01/20/2003	A3060802	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
04/29/2003	A3398703	8021	ND	ND	ND	ND	ND	ND	2.4	ND	18	ND	ND	20.4
07/16/2003	A3683702	8021	ND	ND	ND	ND	ND	0.2 J	3.6	ND	14	ND	ND	17.8
10/16/2003	A3A09001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2004	A4373002	8021	ND	ND	ND	ND	ND	ND	23	ND	28	ND	ND	51
07/20/2004	A4682801	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
07/20/2004	A4682801	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
10/22/2004	A4A48002	8021	ND	ND	ND	ND	ND	0.87 J	23	ND	32	ND	0.59 J	56.46
01/17/2005	A5044301	8260	ND	ND	ND	ND	ND	0.67 J	12	ND	27	ND	ND	39.67
04/19/2005	A5387501	8260	ND	ND	ND	ND	ND	1.1	16	ND	56 E	ND	ND	73.1
04/19/2005	A5387501DL	8260	ND	ND	ND	ND	ND	1.1 D	15 D	ND	55 D	ND	ND	71.1
07/22/2005	A5778501	8260/5ML	ND	ND	ND	ND	ND	1.2	15	ND	51	ND	ND	67.2
07/18/2006	6G19003-11RE1	8260	ND	ND	ND	ND	ND	ND	14	ND	44	ND	ND	58
07/12/2007	7G13019-01	8260	ND	ND	ND	ND	ND	ND	19	ND	69	ND	ND	88
07/22/2008	5422168	8260	ND	ND	ND	ND	ND	1.6 J	25	ND	91	ND	ND	117.6
07/09/2009	5720686	8260	ND	ND	ND	ND	ND	ND	9.2	ND	51	ND	ND	60.2
07/20/2010	6038215	8260	ND	ND	ND	ND	ND	0.9 J	10	ND	49	ND	ND	59.9
07/21/2011	6353676	8260	ND	ND	ND	ND	ND	1 J	13	ND	53	ND	ND	67
07/17/2012	6723847	8260	ND	ND	ND	ND	ND	1.1 J	13	ND	58	ND	ND	72.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-51M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345701	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663815	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332610	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2004	A4356905	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2006	6G19003-12	8260	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
07/11/2007	7G12003-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422169	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720688	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-52M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345706	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2001	A1A17407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2002	A2369802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2002	A2A14501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036408	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317601	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422160	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720691	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038217	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353671	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2012	6723842	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-53M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052403	8021	ND	ND	ND	ND	ND	ND	0.44 J	ND	4.6	ND	ND	5.04
04/17/2001	A1345705	624	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	5.8
07/16/2001	A1674105	8021	ND	ND	ND	ND	ND	ND	0.2 J	ND	3.8	ND	ND	4
10/16/2001	A1A17408	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	7.1	ND	ND	7.42
01/22/2002	A2066010	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
04/17/2002	A2378403	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4.2	ND	ND	5.6
07/12/2002	A2713905	8021	ND	ND	ND	ND	ND	ND	1.6	ND	5.1	ND	ND	6.7
10/11/2002	A2A14601	8021	ND	ND	ND	ND	ND	ND	1.6	ND	12	ND	ND	13.6
01/20/2003	A3060803	8021	ND	ND	ND	ND	ND	ND	1.4	ND	7.4	ND	ND	8.8
04/09/2003	A3329508	8021	ND	ND	ND	ND	ND	ND	1.6	ND	11	ND	ND	12.6
07/08/2003	A3649107	8021	ND	ND	ND	ND	ND	ND	0.6 J	ND	8	ND	ND	8.6
10/13/2003	A3991404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	7.6	ND	ND	8.8
04/13/2004	A4331801	8021	ND	ND	ND	ND	ND	ND	2.6	ND	4.9	ND	ND	7.5
07/07/2004	A4636501	8021	ND	ND	ND	ND	ND	ND	2.5	ND	4.6	ND	ND	7.1
10/22/2004	A4A48003	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
01/13/2005	A5036205	8260	ND	ND	ND	ND	ND	ND	2.1	ND	3.5	ND	1 J	6.6
04/06/2005	A5317805	8260	ND	ND	ND	ND	ND	ND	1.8	ND	2.1	ND	ND	3.9
07/07/2005	A5706901	8260/5ML	ND	ND	ND	ND	ND	ND	1.9	ND	1.8	ND	ND	3.7
07/19/2006	6G20004-03	8260	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/12/2007	7G13019-03	8260	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/22/2008	5422161	8260	ND	ND	ND	ND	ND	ND	6.9	ND	26	ND	ND	32.9
07/09/2009	5720692	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	9.4	ND	ND	12.3
07/20/2010	6038218	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	13	ND	ND	14.7
04/13/2011	6258129	8260	ND	ND	ND	ND	ND	ND	3 J	ND	16	ND	ND	19
07/21/2011	6353670	8260	ND	ND	ND	ND	ND	ND	2 J	ND	9.3	ND	ND	11.3
07/17/2012	6723845	8260	ND	ND	ND	ND	ND	ND	3.0 J	ND	12	ND	ND	15

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-54M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361305	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994708	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2002	A2332605	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983805	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47802	8021	ND	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	0.58
01/17/2005	A5043901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317602	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422162	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720689	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040538	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353669	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2012	6723846	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-55M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361302	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695512	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983804	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619403	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317603	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422163	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720690	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040537	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353668	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2012	6723848	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052409	8021	ND	1	0.48 J	ND	0.56 J	2.7	71	ND	28	ND	2.4	106.14
04/16/2001	A1345803	624	ND	ND	ND	ND	ND	ND	18	ND	27	ND	ND	45
07/16/2001	A1674111	8021	ND	2.1	0.51 J	ND	1 J	2	95	ND	46	ND	ND	146.61
10/11/2001	A1994710	8021	ND	ND	ND	ND	ND	0.74 J	43	ND	31 D	ND	ND	74.74
01/24/2002	A2076708	8021	ND	2.3	ND	ND	2.5	ND	63	ND	280	ND	ND	347.8
04/15/2002	A2370203	8021	ND	ND	ND	ND	ND	ND	9.8	ND	44	ND	ND	53.8
07/16/2002	A2722905	8021	ND	ND	ND	ND	3	ND	16	ND	74	ND	ND	93
10/09/2002	A2A07502	8021	ND	ND	ND	ND	ND	ND	9.5	ND	39	ND	ND	48.5
01/23/2003	A3075202	8021	ND	ND	ND	ND	ND	ND	86	6.6	150	ND	ND	242.6
04/15/2003	A3356603	8021	ND	ND	ND	ND	86	1.4	29	1	80	ND	ND	197.4
07/21/2003	A3699403	8021	ND	ND	ND	ND	ND	ND	29	ND	71	ND	ND	100
10/21/2003	A3A21901	8021	ND	ND	ND	ND	2.3 J	ND	48	ND	110	ND	ND	160.3
01/28/2004	A4077601	8021	ND	ND	ND	ND	ND	1.7	52	ND	200	ND	ND	253.7
04/21/2004	A4356601	8021	ND	ND	ND	ND	1.8 J	ND	16	ND	68	ND	ND	85.8
07/21/2004	A4687102	8260	ND	ND	ND	ND	5.1	ND	19	ND	110	ND	ND	134.1
10/20/2004	A4A32302	8021	ND	ND	ND	ND	ND	ND	16	ND	84	ND	ND	100
01/13/2005	A5036107	8260	ND	ND	ND	ND	ND	1.1	22	0.64 J	160 E	ND	ND	183.74
01/13/2005	A5036107DL	8260							17 D		110 D			127
04/22/2005	A5402001	8260	ND	ND	ND	ND	ND	0.7 J	9.9	ND	63	ND	ND	73.6
07/19/2005	A5762301	8260/5ML	ND	ND	ND	ND	ND	0.95 J	14	ND	78	ND	ND	92.95
10/20/2005	A5B91901	8260	ND	ND	ND	ND	ND	1.5	20	0.56 J	100 E	ND	0.63 J	122.69
10/20/2005	A5B91901DL	8260	ND	ND	ND	ND	3 BD	ND	19 D	ND	82 D	ND	ND	104
01/23/2006	A6084703	8260	ND	ND	ND	ND	ND	1	17	ND	100 E	ND	ND	118
01/23/2006	A6084703DL	8260	ND	3.4 D	ND	ND	1.2 DJ	0.97 DJ	16 D	ND	94 D	ND	ND	115.57
04/12/2006	6D13005-07	8260	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35
01/08/2008	8A09005-07	8260	ND	ND	1	ND	4	ND	23	2	60	ND	ND	90
04/07/2008	8D08002-04	8260	ND	ND	ND	ND	ND	ND	6	ND	20	ND	ND	26
07/28/2008	5426818	8260	ND	ND	ND	ND	ND	ND	6.9	ND	19	ND	ND	25.9
10/17/2008	5502675	8260	ND	ND	2 J	ND	ND	1.4 J	41	2 J	110	ND	1.2 J	157.6
01/13/2009	5576512	8260	ND	ND	1 J	ND	ND	ND	23	1.3 J	73	ND	ND	98.3
04/13/2009	5647712	8260	ND	ND	ND	ND	ND	ND	17	ND	64	ND	ND	81

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/15/2009	5724675	8260	ND	ND	ND	ND	ND	0.87 J	21	ND	82	ND	ND	103.87
10/05/2009	5797969	8260	ND	ND	ND	ND	ND	ND	17	ND	72	ND	ND	89
01/21/2010	5889952	8260	ND	ND	ND	ND	ND	ND	5.3	ND	32	ND	ND	37.3
04/06/2010	5946902	8260	ND	ND	ND	ND	ND	ND	16	ND	97	ND	ND	113
07/20/2010	6038213	8260	ND	ND	ND	ND	ND	1.1 J	25	0.91 J	150	ND	ND	177.01
10/18/2010	6115540	8260	ND	ND	3.1 J	0.89 J	ND	2.4 J	62	2.5 J	290	ND	3.2 J	364.09
01/26/2011	6192952	8260	ND	ND	2.7 J	0.94 J	ND	2.7 J	77	3.1 J	300	ND	1.5 J	387.94
04/13/2011	6258128	8260	ND	ND	ND	ND	ND	1.3 J	34	1.1 J	180	ND	ND	216.4
07/19/2011	6350139	8260	ND	ND	ND	ND	ND	1.1 J	23	ND	140	ND	ND	164.1
10/13/2011	6437684	8260	ND	ND	2.8 J	ND	ND	2.6 J	69	2.0 J	240	ND	1.9 J	318.3
01/17/2012	6524416	8260	ND	ND	ND	ND	ND	0.83 J	21	ND	160	ND	ND	181.83
04/03/2012	6605298	8260	ND	ND	ND	ND	ND	ND	10	ND	64	ND	ND	74
07/12/2012	6719398	8260	ND	ND	ND	ND	ND	1.2 J	25	ND	190	ND	ND	216.2
10/03/2012	6812007	8260	ND	ND	1.8 J	0.97 J	ND	1.7 J	200	1.7 J	99	ND	2.0 J	307.17
01/23/2013	6932574	8260	ND	ND	ND	ND	ND	ND	15	ND	45	ND	ND	60
04/08/2013	7015029	8260	ND	ND	ND	ND	ND	0.97 J	27	ND	110	ND	ND	137.97

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: B-57M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052407	8021	ND	ND	ND	ND	ND	ND	3.2	ND	1.5	ND	ND	4.7
04/16/2001	A1345802	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347903	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978811	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664210	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036403	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317604	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5733101	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2005	A5B10501	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2006	A6084704	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2006	6D13005-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2007	7A09003-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2007	7J11002-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-03	8260	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/28/2008	5426820	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2008	5502678	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576515	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	1.6
04/13/2009	5647716	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724674	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797968	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889951	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946908	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-57M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/20/2010	6038208	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2010	6115539	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2011	6192953	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2011	6258125	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350145	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2011	6437687	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2012	6524415	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2012	6605299	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2012	6719395	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812010	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2013	6932573	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2013	7015030	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-58M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052408	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345801	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674110	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986405	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978813	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664211	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036404	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/06/2005	A5317605	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	0.69
07/12/2005	A5733102	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/28/2008	5426822	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724673	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038214	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350142	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2012	6719394	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-59M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732710	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
08/05/2002	A2793604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2004	A4A20702	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	ND	ND	0.79
01/19/2005	A5050901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/25/2005	A5408101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762204	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-14RE1	8260	ND	ND	ND	ND	4	ND	3	ND	3	ND	ND	10
07/17/2007	7G18027-09	8260	ND	ND	ND	ND	ND	1	4	ND	3	ND	ND	8
07/21/2008	5420892	8260	ND	ND	ND	ND	ND	0.8 J	1.1 J	ND	ND	ND	ND	1.9
07/08/2009	5719627	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036152	8260	ND	ND	ND	ND	ND	2.2 J	6.9	ND	ND	ND	3 J	12.1
04/13/2011	6258124	8260	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	1.2
07/12/2011	6342643	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2012	6717359	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	2.7 J	6.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732708	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
08/05/2002	A2793610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-10	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420895	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719625	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036153	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342644	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2012	6717358	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-61M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732705	8021	ND	5	ND	ND	ND	ND	4.8	ND	26	ND	ND	35.8
08/05/2002	A2793611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980612	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670603	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050903	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/25/2005	A5408102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762206	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-11	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420896	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719626	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036154	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342645	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2012	6717357	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-62M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732712	8021	ND	ND	ND	ND	ND	ND	2.2	ND	7.4	ND	ND	9.6
08/05/2002	A2793609	8021	ND	ND	ND	ND	ND	ND	0.86 J	ND	3.1	ND	ND	3.96
10/04/2002	A2986403	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	1.2
01/17/2003	A3056009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978808	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307806	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725406	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-03	8260	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/17/2007	7G18027-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418423	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719616	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040536	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357495	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2012	6716076	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-63M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2003	A3038006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32106	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307805	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725405	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-13	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418424	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719620	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040535	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357496	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2012	6716070	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-64M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732711	8021	ND	17	ND	ND	ND	ND	ND	ND	8.7	ND	ND	25.7
08/05/2002	A2793606	8021	ND	9.4	ND	ND	ND	ND	3.7	ND	6.8	ND	ND	19.9
10/07/2002	A2999204	8021	ND	0.9 J	ND	ND	ND	ND	0.3 J	ND	0.96 J	ND	ND	2.16
01/15/2003	A3043011	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978805	8021	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
01/07/2004	A4012307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050905	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/04/2005	A5307804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725404	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-04	8260	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
07/17/2007	7G18027-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418425	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719619	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040531	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357497	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2012	6716071	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-65M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732713	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.6
08/05/2002	A2793607	8021	ND	0.24 J	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	0.73
10/07/2002	A2999203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043010	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050906	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	0.53
04/04/2005	A5307803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-05	8260	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418426	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719618	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040539	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357501	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2012	6716072	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732706	8021	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	5.2
08/05/2002	A2793608	8021	ND	0.35 J	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.95
10/07/2002	A2999202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043005	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	0.24 J	ND	ND	0.62
04/07/2003	A3320701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012311	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050907	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725402	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418427	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719614	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036147	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357502	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2012	6716077	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: B-67M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050908	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	0.35
04/04/2005	A5307801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-02	8260	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418428	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719615	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036146	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357503	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2012	6716078	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: DNAPL Sump														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/25/2001	A1382102	8021	ND	ND	ND	ND	ND	ND	2300	ND	14000 D	ND	56	16356
07/12/2001	A1663804	8021	ND	ND	ND	ND	1.7 J	ND	120	ND	63	ND	2.5	187.2
01/25/2002	A2081502	8021	ND	ND	ND	13	1 J	15	4900 D	ND	1600 D	1.3	9.1	6539.4
04/19/2002	A2384301	8021	ND	ND	ND	ND	ND	ND	5900	ND	5000	ND	130	11030
07/16/2002	A2722915	8021	ND	ND	ND	ND	160	ND	3000	ND	5500	ND	240	8900
10/09/2002	A2A07506	8021	ND	ND	ND	ND	ND	ND	4400	ND	6600	ND	ND	11000
01/23/2003	A3075206	8021	ND	ND	ND	ND	ND	ND	2800	ND	16000	ND	ND	18800
04/10/2003	A3335401	8021	ND	ND	ND	ND	180	ND	2100	ND	2400	ND	190	4870
07/10/2003	A3654306	8021	ND	ND	ND	ND	ND	ND	1700	ND	3400	ND	110	5210

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041303	8021	ND	ND	ND	ND	ND	ND	74	ND	340	ND	ND	414
04/20/2001	A1366406	624	ND	ND	ND	ND	ND	ND	35	ND	320 D	ND	ND	355
07/13/2001	A1663813	8021	ND	ND	ND	ND	3.9	ND	39	ND	230	ND	ND	272.9
09/06/2001	A1858801	8021	ND	ND	ND	ND	110	ND	500	ND	4800	ND	ND	5410
10/15/2001	A1A17406	8021	ND	ND	ND	ND	58	ND	150	ND	3900	ND	ND	4108
01/24/2002	A2076711	8021	ND	ND	ND	ND	310	ND	740	560	8000	ND	ND	9610
04/19/2002	A2384302	8021	ND	ND	ND	ND	ND	ND	600	190	15000	ND	ND	15790
07/16/2002	A2722916	8021	ND	ND	ND	ND	610	ND	1500	1000	16000	ND	ND	19110
10/09/2002	A2A07507	8021	ND	ND	ND	ND	ND	ND	540	ND	12000	ND	ND	12540
04/09/2003	A3329402	8021	ND	ND	210	22	110	ND	390	1800	1200	ND	ND	3732
07/10/2003	A3654303	8021	ND	ND	ND	ND	ND	ND	860	400	7700	ND	ND	8960
10/13/2003	A3991301	8021	ND	ND	120	ND	100	ND	1200	870	7500	ND	ND	9790
01/07/2004	A4012402	8021	ND	ND	270	ND	ND	ND	1000	1800	7800	ND	120	10990
04/14/2004	A4331402	8021	ND	ND	180	ND	ND	ND	960	1800	9700	ND	ND	12640
07/07/2004	A4636803	8021	ND	ND	220	ND	ND	ND	1100	1100	12000	ND	ND	14420
10/08/2004	A4994502	8021	ND	ND	ND	ND	ND	ND	760	760	10000	ND	ND	11520
01/18/2005	A5051103	8260	ND	ND	ND	ND	ND	ND	860	1400	12000	ND	ND	14260
04/04/2005	A5307503	8260	ND	0.68 J	170 E	66 E	ND	7.7	810 E	1300 E	2500 E	1.9	20	4876.28
04/04/2005	A5307503DL	8260	ND	ND	ND	ND	ND	ND	580 D	1300 D	8200 D	ND	ND	10080
07/11/2005	A5724601	8260/5ML	ND	ND	70	ND	ND	ND	710	280	9200	ND	ND	10260
10/05/2005	A5B10701	8260	ND	ND	180	ND	ND	ND	530	1000	5400	ND	ND	7110
01/24/2006	A6089106	8260	ND	ND	170	ND	ND	ND	770	1200	8500	ND	ND	10640
04/12/2006	6D13005-04RE1	8260	ND	ND	124	24	11	7	638	1020	7800 D	ND	18	9642
07/11/2006	6G12005-03	8260	ND	ND	102	14	22	ND	621	411	6850 D	ND	13	8033
10/09/2006	6J10002-03	8260	ND	ND	146	23	ND	6	322	1130 D	2770 D	ND	12	4409
01/10/2007	7A11003-04	8260	ND	ND	135	17	12	ND	368	919	4950 D	ND	10	6411
04/03/2007	7D04039-01	8260	ND	ND	110	23	164	9	792	897	9730 D	ND	24	11749
07/05/2007	7G06018-04	8260	ND	ND	148	ND	ND	ND	10400	936	372	ND	ND	11856
10/10/2007	7J11002-01RE1	8260	ND	ND	36	ND	ND	ND	2190	50	3380	ND	80	5736
01/07/2008	8A08003-09	8260	ND	ND	86	ND	86	ND	629	722	524	ND	ND	2047
04/08/2008	8D09003-04	8260	ND	ND	102	15	ND	ND	1290	382	366	ND	90	2245
07/16/2008	5417447	8260	ND	ND	120	11 J	ND	6 J	2000	210	95	ND	390	2832
10/14/2008	5498678	8260	ND	ND	190	3.1 J	ND	5 J	1200	120	97	ND	21	1636.1
01/21/2009	5582428	8260	ND	ND	86	7.6	ND	5	920	100	280	ND	70	1468.6
04/16/2009	5649165	8260	ND	ND	190	31	ND	5.1	780	1100	260	ND	160	2526.1
07/13/2009	5722296	8260	ND	ND	82	19	ND	7.9 J	1700	350	420	ND	150	2728.9
10/07/2009	5800381	8260	ND	ND	460	62	ND	2.9 J	500	2800	250	ND	65	4139.9

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/26/2010	5893226	8260	ND	ND	270	39	ND	ND	490	2300	320	ND	39	3458
04/07/2010	5948423	8260	ND	0.98 J	270	81	ND	9.5	910	2200	2400	0.82 J	85	5957.3
07/21/2010	6039078	8260	ND	ND	180	31	ND	7.8 J	1100	1100	2300	ND	60	4778.8
10/12/2010	6109750	8260	ND	ND	580	88	ND	12 J	1700	4700	3400	ND	94	10574
01/24/2011	6190814	8260	ND	ND	280	47	ND	5.6 J	800	2100	1700	ND	31	4963.6
04/12/2011	6256723	8260	ND	ND	150	30	ND	7.6 J	1100	1100	5400	ND	41	7828.6
07/20/2011	6352280	8260	ND	ND	98	25	ND	11 J	1600	630	6000	ND	57	8421
10/12/2011	6435908	8260	ND	ND	210	41	ND	9.9 J	980	1600	3700	ND	42	6582.9
01/19/2012	6527711	8260	ND	ND	82	22	ND	2.4 J	500	560	1600	ND	5.7 J	2772.1
04/04/2012	6607024	8260	ND	ND	77	15	ND	4.1 J	710	560	2700	ND	20	4086.1
07/19/2012	6728260	8260	ND	ND	150	26	ND	10 J	1700	970	7800	ND	48	10704
10/04/2012	6814368	8260	ND	ND	ND	ND	ND	ND	2.7 J	5.7	75	ND	ND	83.4
01/24/2013	6934232	8260	ND	ND	ND	ND	ND	ND	12	2.6 J	36	ND	ND	50.6
04/04/2013	7011183	8260	ND	ND	81	22	ND	7.9 J	640	590	6300	ND	18	7658.9

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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041304	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.42 J	ND	ND	2.82
04/20/2001	A1366407	624	ND	ND	ND	ND	ND	ND	1.6	ND	1.5	ND	ND	3.1
07/11/2001	A1648715	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.38 J	ND	ND	1.58
10/16/2001	A1A17404	8021	ND	ND	ND	ND	ND	5.2	210	ND	69	ND	3.5	287.7
01/21/2002	A2066001	8021	ND	ND	ND	ND	ND	6.5	140	ND	ND	ND	ND	146.5
04/11/2002	A2348304	8021	ND	ND	ND	ND	ND	4.9	170	ND	ND	ND	8.4	183.3
07/12/2002	A2713910	8021	ND	ND	ND	ND	ND	5.8	120	ND	4	ND	3.5	133.3
10/08/2002	A2999305	8021	ND	ND	1.1	ND	ND	10	300	ND	4	ND	ND	315.1
04/09/2003	A3329502	8021	ND	ND	ND	ND	16	ND	52	ND	ND	ND	1.8	69.8
07/08/2003	A3649104	8021	ND	ND	ND	ND	3.8	6	230	ND	ND	ND	ND	239.8
10/13/2003	A3991407	8021	ND	ND	ND	ND	ND	8.2	230	ND	ND	ND	ND	238.2
01/09/2004	A4026203	8021	ND	ND	ND	ND	ND	3.1	110	ND	ND	ND	3.1	116.2
04/14/2004	A4331803	8021	ND	ND	ND	ND	ND	2.4	100	ND	4.3	ND	ND	106.7
07/06/2004	A4636509	8021	ND	ND	ND	2.5	ND	9.2	260 E	ND	3.1	ND	3	277.8
07/06/2004	A4636509DL	8021	ND	ND	ND	ND	5.4 DE	8.8 D	230 D	ND	ND	ND	ND	244.2
10/08/2004	A4994501	8021	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	200
01/12/2005	A5036201	8260	ND	ND	ND	ND	ND	2.8	98	ND	ND	ND	ND	100.8
04/04/2005	A5307703	8260	ND	ND	ND	ND	ND	3.2	110 E	ND	0.43 J	ND	1.9	115.53
04/04/2005	A5307703DL	8260	ND	ND	ND	ND	ND	2.1 D	90 D	ND	ND	ND	ND	92.1
07/08/2005	A5715301	8260/5ML	ND	ND	ND	ND	1.2 J	5.7	140	ND	ND	ND	ND	146.9
10/05/2005	A5B10603	8260	ND	ND	0.55 J	ND	ND	6	110 E	ND	0.69 J	ND	0.98 J	118.22
10/05/2005	A5B10603DL	8260	ND	ND	ND	ND	ND	5.9 D	120 D	ND	ND	ND	ND	125.9
01/24/2006	A6089110	8260	ND	ND	ND	ND	ND	2.2	69	ND	0.52 J	ND	1.1 J	72.82
04/12/2006	6D13005-01	8260	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64
01/07/2008	8A08003-07	8260	ND	ND	ND	ND	ND	1	25	ND	ND	ND	ND	26
04/08/2008	8D09003-02	8260	ND	ND	ND	ND	3 B	2	67	ND	ND	ND	ND	72
07/16/2008	5417454	8260	ND	ND	ND	ND	ND	3.6 J	92	ND	ND	ND	ND	95.6
10/14/2008	5498679	8260	ND	ND	ND	ND	ND	1.5 J	55	ND	ND	ND	ND	56.5
01/21/2009	5582429	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	ND	ND	1.2 J	35.5
04/15/2009	5647723	8260	ND	ND	ND	ND	ND	1.6 J	46	ND	ND	ND	1.7 J	49.3
07/08/2009	5719622	8260	ND	ND	ND	ND	ND	5.4	120	ND	ND	ND	ND	125.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.



# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/05/2009	5797970	8260	ND	ND	ND	ND	ND	4 J	90	ND	ND	ND	ND	94
01/25/2010	5892347	8260	ND	ND	ND	ND	ND	2 J	60	ND	ND	ND	2.3 J	64.3
04/06/2010	5946898	8260	ND	ND	ND	ND	ND	2.5 J	90	ND	ND	ND	2.3 J	94.8
07/21/2010	6039076	8260	ND	ND	ND	ND	ND	5.4	100	ND	ND	ND	1.3 J	106.7
10/12/2010	6109756	8260	ND	ND	ND	ND	ND	2.7 J	110	ND	ND	ND	ND	112.7
01/26/2011	6192954	8260	ND	ND	ND	ND	ND	1.1 J	27	ND	ND	ND	1.4 J	29.5
04/12/2011	6256721	8260	ND	ND	ND	ND	ND	3 J	100	ND	1.1 J	ND	2 J	106.1
07/12/2011	6342651	8260	ND	ND	ND	ND	ND	4.8 J	110	ND	1 J	ND	ND	115.8
10/13/2011	6437683	8260	ND	ND	ND	ND	ND	3.4 J	97	ND	ND	ND	ND	100.4
01/17/2012	6524421	8260	ND	ND	ND	ND	ND	ND	29 J	ND	21 J	ND	ND	50
04/04/2012	6607022	8260	ND	ND	ND	ND	ND	1.3 J	38	ND	ND	ND	ND	39.3
07/16/2012	6722029	8260	ND	ND	ND	ND	ND	3.9 J	83	ND	1.2 J	ND	ND	88.1
10/04/2012	6814367	8260	ND	ND	ND	ND	ND	2.7 J	77	ND	ND	ND	ND	79.7
01/24/2013	6934233	8260	ND	ND	ND	ND	ND	1.1 J	32	ND	ND	ND	ND	33.1
04/03/2013	7010226	8260	ND	ND	ND	ND	ND	1.2 J	30	ND	ND	ND	1.6 J	32.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id: P-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035111	8021	ND	ND	ND	ND	1.8 J	0.66 J	18	ND	26	ND	2.6	49.06
04/19/2001	A1361311	624	ND	ND	ND	ND	ND	ND	2.9	0.23	9.6	ND	ND	12.73
07/11/2001	A1648714	8021	ND	ND	ND	ND	ND	0.23 J	18	ND	4.9	ND	ND	23.13
10/16/2001	A1A17403	8021	ND	ND	ND	ND	1.3 J	2	220	ND	42	ND	ND	265.3
01/21/2002	A2066002	8021	ND	ND	7.7	5.4	2.4 J	12	1600 D	3.8	490 D	ND	17	2138.3
04/11/2002	A2348305	8021	ND	ND	ND	ND	ND	ND	1000	ND	940	ND	ND	1940
07/12/2002	A2713911	8021	ND	ND	7.3	ND	ND	ND	1200	ND	360	ND	ND	1567.3
10/08/2002	A2999306	8021	ND	15	ND	ND	ND	ND	480	ND	140	ND	ND	635
04/09/2003	A3329503	8021	ND	ND	ND	ND	33	ND	510	ND	620	ND	ND	1163
07/08/2003	A3649106	8021	ND	ND	ND	ND	ND	ND	710	15	1000	ND	ND	1725
10/13/2003	A3991408	8021	ND	ND	23	ND	9.2	17	1700	25	920	ND	ND	2694.2
01/09/2004	A4026204	8021	ND	ND	26	ND	ND	14	1300	22	1400	ND	23	2785
04/14/2004	A4331804	8021	ND	ND	20	ND	ND	8	720	9.8	770	ND	15	1542.8
07/06/2004	A4636507	8021	ND	ND	40	ND	ND	ND	1300	31	1400	ND	49	2820
10/08/2004	A4994503	8021	ND	ND	31	ND	ND	ND	1100	ND	1200	ND	33	2364
01/12/2005	A5036202	8260	ND	ND	ND	ND	ND	ND	650	ND	1200	ND	43	1893
04/04/2005	A5307702	8260	ND	ND	13	ND	ND	ND	560	ND	870	ND	26	1469
07/11/2005	A5724701	8260/5ML	ND	ND	21	6.7	ND	12	830	8.2	880	ND	10	1767.9
10/05/2005	A5B10604	8260	ND	ND	33	9.3	ND	16	1200 E	20	1000 E	ND	ND	2278.3
10/05/2005	A5B10604DL	8260	ND	ND	30 D	ND	ND	15 D	1200 D	16 D	910 D	ND	ND	2171
01/23/2006	A6084706	8260	ND	ND	20	ND	ND	11	850	13	1500	ND	32	2426
04/12/2006	6D13005-02RE1	8260	ND	ND	15	ND	ND	8	583 D	10	998	ND	11	1625
07/11/2006	6G12005-05	8260	ND	ND	20	6	4	12	700 D	9	869 D	ND	ND	1620
10/09/2006	6J10002-05	8260	ND	ND	30	8	ND	16	1180 D	27	1100 D	ND	ND	2361
01/05/2007	7A05012-05	8260	ND	ND	23	6	2 B	11	734 D	20	2080 D	ND	26	2902
04/03/2007	7D04039-03	8260	ND	ND	7	3	ND	7	394 D	7	1190 D	ND	6	1614
07/05/2007	7G06018-07	8260	ND	ND	ND	ND	ND	ND	499	ND	579	ND	ND	1078
10/09/2007	7J10006-04	8260	ND	ND	9	ND	ND	8	570	ND	636	ND	ND	1223
01/07/2008	8A08003-06	8260	ND	ND	15	ND	22	10	689	8	601	ND	ND	1345
04/08/2008	8D09003-06	8260	ND	ND	12	ND	ND	7	431	13	1680 D	ND	ND	2143
07/16/2008	5417453	8260	ND	ND	9.6	3 J	ND	7	470	6.3	610	ND	ND	1105.9
10/14/2008	5498682	8260	ND	ND	8	1.7 J	ND	8	460	5.1	530	ND	ND	1012.8
01/14/2009	5577587	8260	ND	ND	24	7.9	ND	11	720	38	1200	ND	2 J	2002.9
04/14/2009	5646771	8260	ND	ND	12	3.5 J	ND	6.1 J	370	23	1600	ND	3.9 J	2018.5
07/09/2009	5720680	8260	ND	ND	6.6	2.3 J	ND	6.8	390	5.6	490	ND	ND	901.3
10/05/2009	5797961	8260	ND	ND	10	3.1 J	ND	6.7 J	560	9.2 J	780	ND	ND	1369
01/21/2010	5889956	8260	ND	ND	17 J	4.9 J	ND	8.8 J	460	32	2100	ND	ND	2622.7

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: P-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/06/2010	5946899	8260	ND	ND	9.5 J	2.8 J	ND	5.6 J	390	13	1600	ND	6.4 J	2027.3
07/13/2010	6031624	8260	ND	ND	6.9	3.4 J	ND	7.7	460	5.4	760	ND	ND	1243.4
10/12/2010	6109755	8260	ND	ND	6.5	1.6 J	ND	7.1	360	6.2	530	ND	ND	911.4
01/26/2011	6192955	8260	ND	ND	36	6.8 J	ND	11	790	14	1500	ND	3.8 J	2361.6
04/12/2011	6256718	8260	ND	ND	65	12	ND	14	1500	20	3700	1.7 J	27	5339.7
07/20/2011	6352288	8260	ND	ND	29	7.8 J	ND	10	750	7.8 J	1400	ND	ND	2204.6
10/11/2011	6434704	8260	ND	ND	25	5.8 J	ND	11	870	6.1 J	1200	ND	ND	2117.9
01/17/2012	6524420	8260	ND	ND	ND	ND	ND	1.1 J	35	ND	ND	ND	1.2 J	37.3
04/04/2012	6607020	8260	ND	ND	24	5.1 J	ND	6.7 J	530	8.6 J	1400	ND	7.6 J	1982
07/17/2012	6723838	8260	ND	ND	22	5.2	ND	11	580	6.2	890	ND	ND	1514.4
10/02/2012	6810734	8260	ND	ND	19	3.6 J	ND	9.2	580	4.9 J	850	ND	ND	1466.7
01/22/2013	6931414	8260	ND	ND	52	11	ND	10	620	42	2100	2.0 J	19	2856
04/03/2013	7010225	8260	ND	ND	40	7.1	ND	8.5	520	28	1900	1.9 J	11	2516.5

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: PW-1

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035112	8021	ND	ND	ND	ND	5.6	ND	71	ND	150	ND	ND	226.6
04/20/2001	A1366403	624	ND	ND	ND	ND	ND	2.4	84	ND	330 D	ND	1.9	418.3
07/11/2001	A1648702	8021	ND	ND	ND	ND	2.9	1.3	83	ND	140	ND	4.7	231.9
09/07/2001	A1863501	8021	ND	ND	ND	ND	38	ND	1500	ND	2500	ND	ND	4038
10/16/2001	A1A17402	8021	ND	ND	ND	ND	ND	ND	2700	ND	40000	ND	ND	42700
01/23/2002	A2076705	8021	ND	ND	ND	ND	1500	ND	880	ND	2000	ND	ND	4380
04/18/2002	A2378804	8021	ND	ND	ND	ND	23	ND	240	ND	1200	ND	ND	1463
07/16/2002	A2722914	8021	ND	ND	ND	ND	60	ND	520	ND	1800	ND	ND	2380
10/09/2002	A2A07508	8021	ND	ND	ND	ND	ND	ND	27000	ND	140000	ND	ND	167000
01/24/2003	A3075208	8021	ND	ND	ND	ND	ND	ND	920	ND	2100	ND	26	3046
04/09/2003	A3329403	8021	ND	ND	ND	ND	ND	ND	560	ND	1900	ND	ND	2460
07/10/2003	A3654305	8021	ND	ND	ND	ND	ND	ND	1200	ND	3800	ND	ND	5000
10/13/2003	A3991302	8021	ND	ND	ND	ND	ND	ND	1200	ND	3600	ND	ND	4800
01/09/2004	A4026101	8021	ND	ND	ND	ND	ND	18	380	ND	1300	ND	25	1723
04/14/2004	A4331403	8021	ND	ND	ND	ND	ND	ND	1400	ND	4500	ND	ND	5900
07/06/2004	A4636805	8021	ND	ND	ND	ND	ND	ND	540	ND	1600	ND	43	2183
10/07/2004	A4994204	8021	ND	ND	ND	ND	ND	ND	170	ND	130	ND	ND	300
01/12/2005	A5036101	8260	ND	ND	6.9	4.5	ND	6.1	900 E	5.5	2700 E	ND	ND	3623
01/12/2005	A5036101DL	8260							600 D		2400 D			3000
04/04/2005	A5307501	8260	ND	ND	1.2	0.61 J	ND	1.9	190 E	0.71 J	650 E	2	6.8	853.22
04/04/2005	A5307501DL	8260	ND	ND	ND	ND	ND	ND	350 D	ND	1500 BD	ND	ND	1850
07/11/2005	A5724602	8260/5ML	ND	ND	5.3	ND	ND	ND	410	ND	1100 E	ND	18	1533.3
07/11/2005	A5724602DL	8260/5ML	ND	ND	ND	ND	ND	ND	320 D	ND	870 D	ND	15 D	1205
10/05/2005	A5B10702	8260	ND	ND	ND	ND	ND	ND	390	11	1300	ND	13	1714
01/26/2006	A6102404	8260	ND	ND	2.3	0.69 J	ND	1.9	160 E	2.5	700 E	ND	2.4	869.79
01/26/2006	A6102404DL	8260	ND	ND	ND	ND	ND	ND	200 D	ND	900 D	ND	7.5 D	1107.5
04/13/2006	6D14002-07RE1	8260	ND	ND	2	ND	ND	2	146	ND	636 D	ND	6	792
07/11/2006	6G12005-01	8260	ND	ND	2	ND	4	2	143	2	449 D	ND	ND	602
10/09/2006	6J10002-02	8260	ND	ND	ND	ND	ND	2	114	ND	871 D	ND	3	990
01/09/2007	7A10006-02	8260	ND	ND	3	ND	ND	2	185	3	638 D	ND	7	838
04/03/2007	7D04039-04	8260	ND	ND	6	2	ND	3	302 D	6	1040 D	ND	20	1379
07/05/2007	7G06018-05RE1	8260	ND	ND	ND	ND	ND	ND	68	ND	235	ND	6	309
10/09/2007	7J10006-07	8260	ND	ND	4	ND	ND	3	304	ND	1090 D	ND	13	1414
01/07/2008	8A08003-08	8260	ND	ND	ND	ND	31	ND	84	ND	463	ND	ND	578
04/08/2008	8D09003-03	8260	ND	ND	12	ND	16 B	ND	455	7	1690 D	ND	31	2211
07/21/2008	5420903	8260	ND	ND	1.3 J	ND	ND	1.6 J	120	ND	1500	ND	7.5	1630.4
10/14/2008	5498687	8260	ND	ND	110 J	54 J	ND	60 J	10000	ND	41000	ND	180 J	51404

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: PW-1

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2009	5576508	8260	ND	ND	18	5	ND	5.6	570	17	2100	ND	30	2745.6
04/15/2009	5647722	8260	ND	ND	11	2.8 J	ND	3.6 J	400	11	1300	ND	19	1747.4
07/07/2009	5718471	8260	ND	ND	1.6 J	ND	ND	1.6 J	110	1.1 J	430	ND	5.6	549.9
10/07/2009	5800383	8260	ND	ND	2.3 J	0.85 J	ND	1.9 J	160	2 J	470	ND	9.3	646.35
01/20/2010	5888923	8260	ND	ND	11	1.8 J	ND	2.6 J	340	11	1200	ND	11	1577.4
04/07/2010	5948422	8260	ND	ND	11	3.4 J	ND	3.6 J	370	7.2	1300	ND	24	1719.2
07/14/2010	6032689	8260	ND	ND	3 J	1.2 J	ND	2 J	180	2.1 J	470	ND	6.7	665
10/12/2010	6109752	8260	ND	ND	2.6 J	0.98 J	ND	2.8 J	290	ND	420	ND	4.7 J	721.08
01/25/2011	6191894	8260	ND	ND	8.2 J	3 J	ND	4 J	400	5.7 J	1800	ND	12 J	2232.9
04/12/2011	6256717	8260	ND	ND	3.2 J	1.4 J	ND	2.4 J	260	2.8 J	1400	ND	2.9 J	1672.7
07/13/2011	6343975	8260	ND	ND	10	4.3 J	ND	4.7 J	460	5.6	1700	ND	42	2226.6
10/12/2011	6435899	8260	ND	ND	1.8 J	ND	ND	2.1 J	120	ND	530	ND	6.7	660.6
01/16/2012	6523838	8260	ND	ND	8.6	2.4 J	ND	3.2 J	300	4.9 J	1400	ND	14	1733.1
04/04/2012	6607023	8260	ND	ND	8.9	3.0 J	ND	3.1 J	340	4.3 J	1400	ND	18	1777.3
07/18/2012	6726430	8260	ND	ND	ND	ND	ND	0.92 J	58	ND	210	ND	2.5 J	271.42
10/02/2012	6810729	8260	ND	ND	1.3 J	0.99 J	ND	2.0 J	230	1.1 J	860	ND	1.6 J	1096.99
01/22/2013	6931418	8260	ND	ND	4.4 J	1.6 J	ND	2.5 J	250	3.8 J	810	ND	12	1084.3
04/04/2013	7011182	8260	ND	ND	2.1 J	1.1 J	ND	1.7 J	220	1.5 J	610	ND	9.4	845.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: PW-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041301	8021	ND	ND	ND	ND	1.6 J	ND	24	ND	44	ND	ND	69.6
04/19/2001	A1361314	624	ND	ND	ND	ND	ND	ND	1.4	ND	17	ND	ND	18.4
07/13/2001	A1663811	8021	ND	1.5	ND	ND	5.3	ND	24	ND	88	ND	ND	118.8
10/15/2001	A1A17405	8021	ND	ND	ND	ND	ND	ND	370	ND	3700	ND	ND	4070
01/23/2002	A2076704	8021	ND	ND	ND	ND	2 J	ND	7.8	ND	55	ND	ND	64.8
04/18/2002	A2378805	8021	ND	ND	ND	ND	ND	ND	2.4	ND	17	ND	ND	19.4
07/16/2002	A2722913	8021	ND	ND	ND	ND	2.6	ND	16	ND	110	ND	ND	128.6
10/09/2002	A2A07509	8021	ND	ND	ND	ND	ND	ND	88	ND	640	ND	ND	728
01/23/2003	A3075205	8021	ND	ND	ND	ND	ND	ND	31	ND	270	ND	ND	301
04/09/2003	A3329401	8021	ND	ND	ND	ND	ND	ND	5	ND	85	ND	ND	90

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/13/2003	A3991406	8021	ND	ND	ND	5	ND	4.8	840 D	ND	1500 D	2.8	40 D	2392.6
01/07/2004	A4012401	8021	ND	ND	ND	ND	ND	ND	490	ND	1800	ND	ND	2290
04/14/2004	A4331401	8021	ND	ND	ND	ND	ND	ND	460	ND	2400	ND	ND	2860
07/07/2004	A4636804	8021	ND	ND	ND	ND	ND	ND	440	ND	1300	20	36	1796
10/13/2004	A4A09404	8021	ND	ND	ND	3.1	ND	2.5	490 D	ND	1200 D	4.1	3.1	1702.8
01/12/2005	A5036105	8260	ND	ND	ND	ND	ND	ND	700	ND	4000 E	ND	ND	4700
01/12/2005	A5036105DL	8260							460 D		2200 D			2660
04/04/2005	A5307502	8260	ND	ND	ND	2	ND	3.8	570 E	ND	1800 E	35	4.9	2415.7
04/04/2005	A5307502DL	8260	ND	ND	ND	ND	ND	ND	500 D	ND	3700 BD	ND	ND	4200
07/11/2005	A5724603	8260/5ML	ND	ND	ND	ND	ND	ND	1400	ND	3200	ND	36	4636
10/05/2005	A5B10703	8260	ND	ND	ND	ND	ND	ND	800	ND	1500	ND	ND	2300
01/24/2006	A6089105	8260	ND	ND	ND	ND	ND	ND	450	ND	3100 E	18	ND	3568
01/24/2006	A6089105DL	8260	ND	ND	ND	ND	ND	ND	520 D	ND	3700 D	23 D	ND	4243
04/13/2006	6D14002-06RE1	8260	ND	ND	ND	ND	ND	1	298 D	ND	946 D	10	4	1259
07/11/2006	6G12005-02	8260	ND	ND	ND	5	3	5	1150 D	ND	3150 D	8	5	4326
10/09/2006	6J10002-06	8260	ND	ND	ND	4	ND	6	1550 D	ND	4620 D	3	4	6187
01/09/2007	7A10006-05	8260	ND	ND	ND	ND	39	ND	437	ND	1940 D	21	ND	2437
04/03/2007	7D04039-05	8260	ND	ND	ND	2	ND	3	540 D	ND	2250 D	18	9	2822
07/05/2007	7G06018-02	8260	ND	ND	ND	ND	ND	ND	1320	ND	3120	ND	61	4501
10/09/2007	7J10006-06	8260	ND	ND	ND	ND	ND	ND	1400	ND	4220 D	ND	ND	5620
01/07/2008	8A08003-04RE1	8260	ND	ND	ND	ND	ND	ND	849	ND	362	ND	24	1235
04/08/2008	8D09003-05	8260	ND	ND	ND	ND	35 B	12	2910 D	ND	2120 D	ND	154	5231
07/16/2008	5417446	8260	ND	ND	ND	8	ND	5.2	770	ND	630	ND	130	1543.2
10/14/2008	5498677	8260	ND	ND	ND	10 J	ND	6.4 J	1000	ND	1400	ND	31	2447.4
01/15/2009	5578620	8260	ND	ND	ND	3.2 J	ND	2.7 J	630	ND	2000	ND	48	2683.9
04/13/2009	5647718	8260	ND	ND	ND	4.5 J	ND	ND	730	ND	2200	ND	50	2984.5
07/07/2009	5718469	8260	ND	ND	ND	19 J	ND	15 J	2600	ND	5000	ND	17 J	7651
10/06/2009	5799011	8260	ND	ND	ND	11 J	ND	8.6 J	1700	ND	5500	ND	8 J	7227.6
01/25/2010	5892346	8260	ND	ND	ND	ND	ND	ND	1400	ND	6300	ND	49 J	7749
04/06/2010	5946901	8260	ND	ND	ND	4.3 J	ND	5.1 J	940	ND	4300	ND	40	5289.4
07/21/2010	6039079	8260	ND	ND	ND	28	ND	20 J	2500	ND	4000	ND	13 J	6561
10/12/2010	6109759	8260	ND	ND	ND	8.5 J	ND	6.8 J	1400	ND	3100	ND	7 J	4522.3
01/24/2011	6190813	8260	ND	ND	ND	4.5 J	ND	4.2 J	970	ND	3400	ND	22 J	4400.7
04/12/2011	6256722	8260	ND	ND	ND	3 J	ND	4.3 J	560	ND	2600	1.8 J	ND	3169.1
07/18/2011	6348763	8260	ND	ND	ND	8.7 J	ND	6.9 J	1300	ND	3100	ND	26	4441.6
10/12/2011	6435906	8260	ND	ND	ND	7.2 J	ND	6.9 J	1100	ND	2900	ND	ND	4014.1
01/19/2012	6527712	8260	ND	ND	ND	2.3 J	ND	2.7 J	500	ND	2000	ND	2.3 J	2507.3

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/04/2012	6607030	8260	ND	ND	ND	3.0 J	ND	3.4 J	570	ND	2700	ND	3.9 J	3280.3
07/10/2012	6716080	8260	ND	ND	ND	9.5	ND	8.2	1400	ND	2900	2.4 J	4.1 J	4324.2
10/04/2012	6814362	8260	ND	ND	ND	3.2 J	ND	2.7 J	510	ND	760	3.2 J	7.5	1286.6
01/24/2013	6934231	8260	ND	ND	ND	ND	ND	1.1 J	160	ND	740	4.1 J	1.4 J	906.6
04/02/2013	7007578	8260	ND	ND	ND	0.81 J	ND	1.1 J	170	ND	510	8.2	1.7 J	691.81

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: PW-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2009	5582430	8260	ND	ND	ND	ND	ND	ND	8.4	ND	55	ND	ND	63.4
04/16/2009	5649166	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	21	ND	ND	23.7
07/13/2009	5722294	8260	ND	ND	ND	ND	ND	ND	62	ND	350	ND	1.4 J	413.4
10/06/2009	5799007	8260	ND	ND	1.2 J	ND	ND	ND	62	6.3	480	ND	1.5 J	551
01/26/2010	5893225	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	29	ND	ND	31.4
04/07/2010	5948424	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	26	ND	ND	29.1
07/21/2010	6039077	8260	ND	ND	ND	ND	ND	ND	44	ND	320	ND	ND	364
10/12/2010	6109760	8260	ND	ND	50	4.4 J	ND	4 J	1000	27	59	ND	150	1294.4
01/24/2011	6190812	8260	ND	ND	ND	ND	ND	ND	16	ND	140	ND	ND	156
04/12/2011	6256725	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	26	ND	ND	28.5
07/20/2011	6352279	8260	ND	ND	ND	ND	ND	ND	13	ND	110	ND	ND	123
10/12/2011	6435907	8260	ND	ND	ND	ND	ND	0.93 J	59	ND	480	ND	ND	539.93
01/19/2012	6527713	8260	ND	ND	ND	ND	ND	ND	1.8 J	ND	23	ND	ND	24.8
04/04/2012	6607025	8260	ND	ND	ND	ND	ND	ND	3.7 J	ND	29	ND	ND	32.7
07/19/2012	6728261	8260	ND	ND	ND	ND	ND	ND	22	ND	260	ND	ND	282
10/04/2012	6814369	8260	ND	ND	40	11	ND	11	2200	14	380	ND	310	2966
01/24/2013	6934235	8260	ND	ND	ND	ND	ND	ND	36	ND	38	ND	2.3 J	76.3
04/02/2013	7007577	8260	ND	ND	ND	ND	ND	ND	4.0 J	ND	41	ND	ND	45

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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## FORMER CARBORUNDUM FACILITY

## WHEATFIELD, NEW YORK

Well Id:	Quarry													
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethylene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/09/2013	7016205	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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# FORMER CARBORUNDUM FACILITY

# WHEATFIELD, NEW YORK

Well Id: T-002

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethylene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (TCE) (ug/L)	Tetrachloro- ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/23/2013	6932569	8260	ND	ND	74	11	ND	4.8 J	580	440	1400	8.0	21	2538.8
04/08/2013	7015034	8260	ND	ND	46	ND	ND	1.4 J	300	5.3	780	3.9 J	30	1166.6

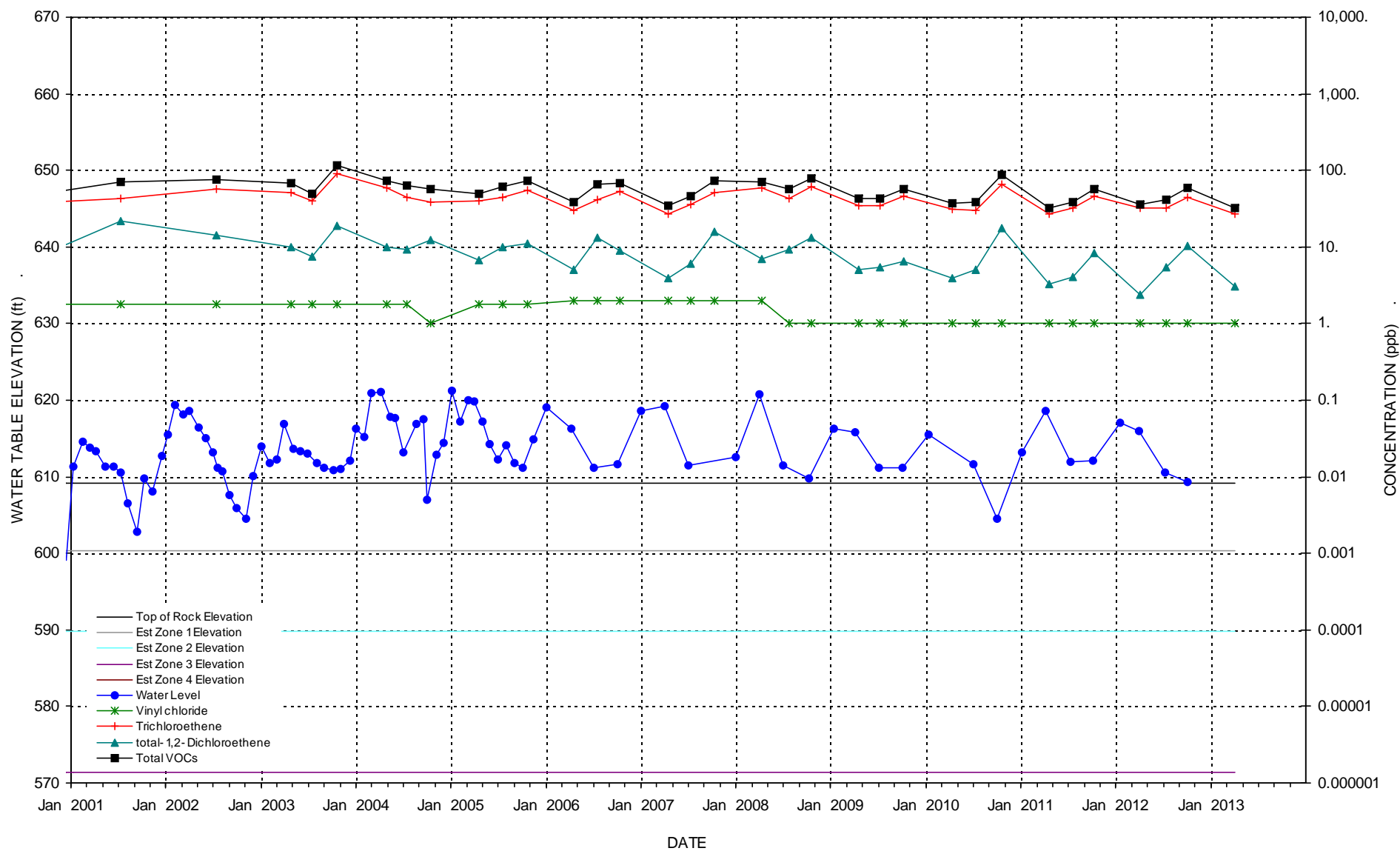
ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

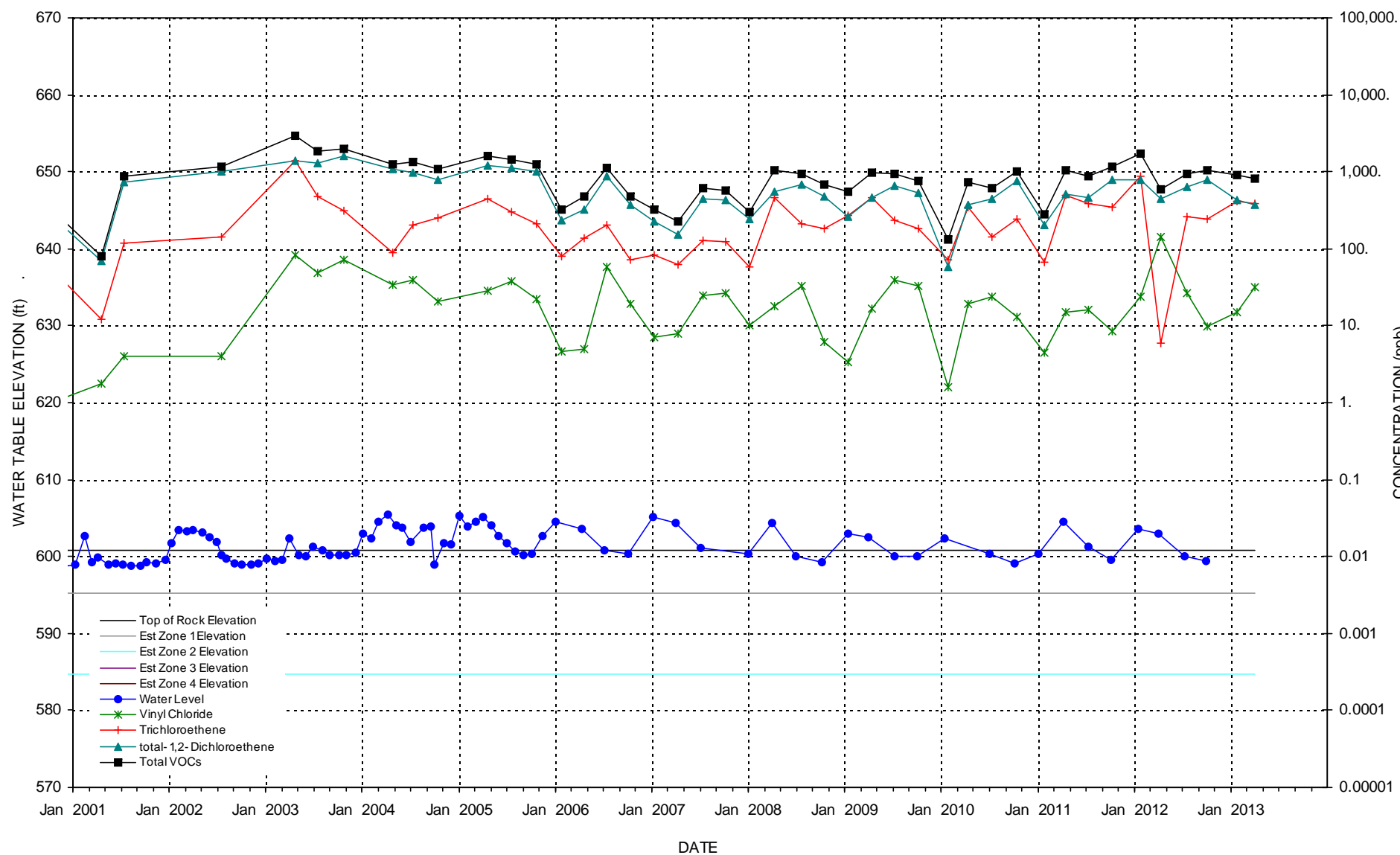
## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL B-10M



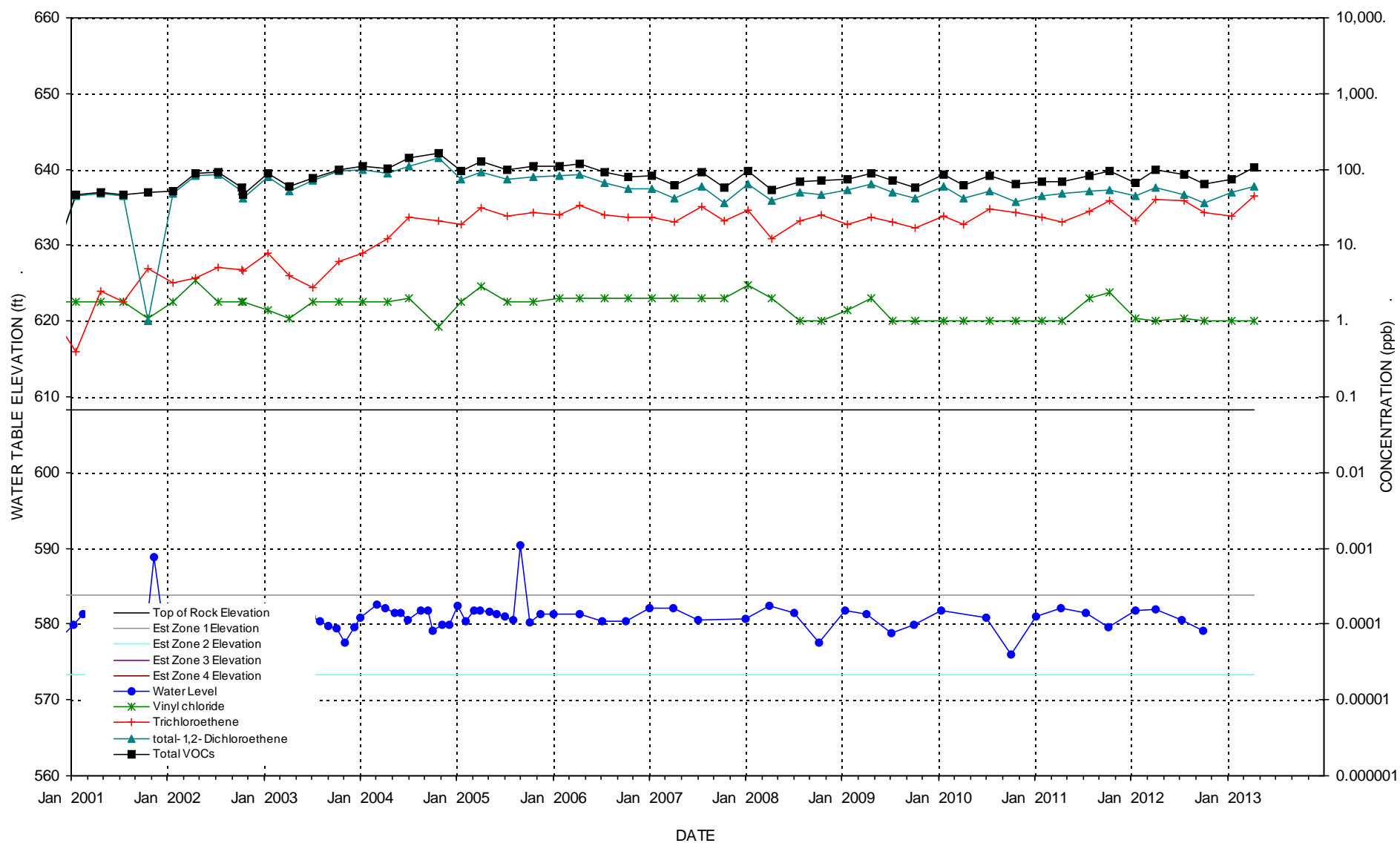
# WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

## WELL B-13M



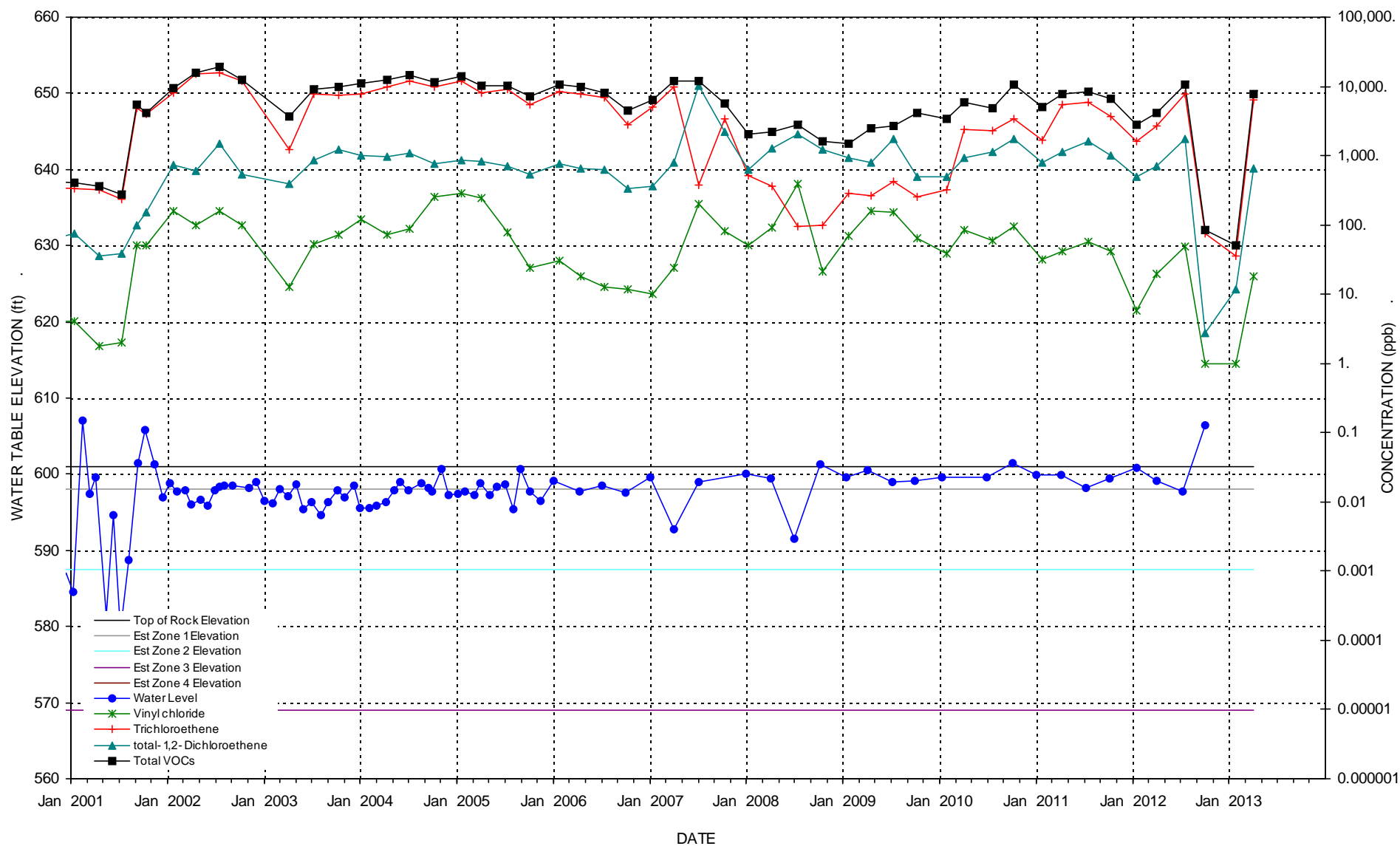
## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL B-38M



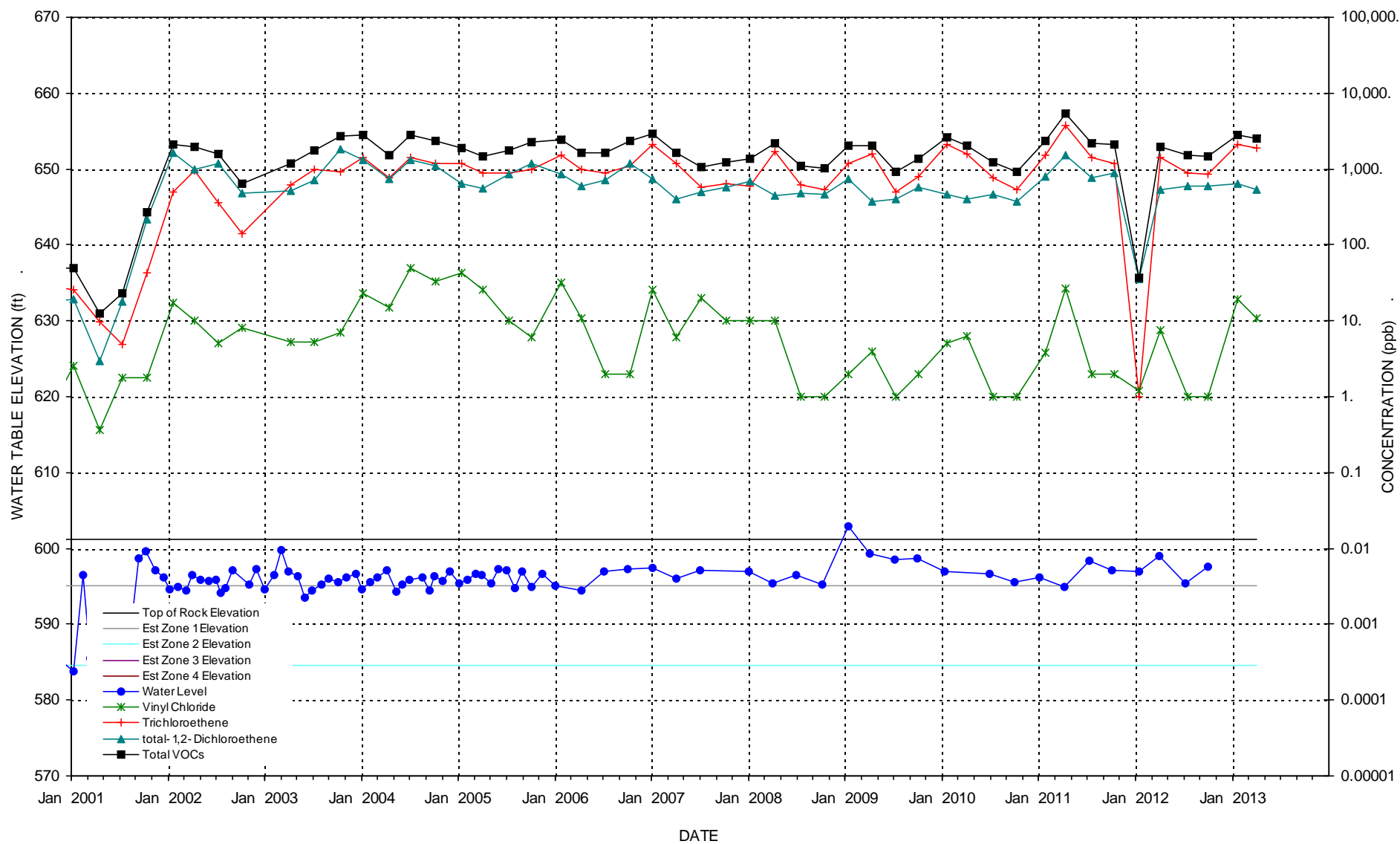
## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL P-2



## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL P-4





## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

PW-3 (former DNAPL Sump)

