

November 14, 2013

Mr. Brian Sadowski  
NYSDEC  
Region 9  
270 Michigan Avenue  
Buffalo, New York 14203-2399


RE: Third Quarter 2013 Monitoring Report  
Former Carborundum Facility, Village of Sanborn, Town of Wheatfield, New York  
NYSDEC Site No. 932102

Dear Mr. Sadowski:

On behalf of Atlantic Richfield Company, attached is the Third Quarter 2013 Monitoring Report for the former Carborundum facility in Wheatfield, New York (Site). The report covers activities at the Site from July 1, 2013 through September 30, 2013. The CD enclosed at the end of the report contains an electronic copy of the report in PDF format. The quarterly monitoring data in the EQulS format will be submitted separately.

If you have any questions, please feel free to contact me at (716) 407-4990.

Sincerely,



George W. Hermance  
Project Manager

Attachment

cc: W. Barber – ARC  
M. Forcucci - NYSDOH  
K. Anders – NYSDOH  
E. Fulwell – NCCC  
K. Scott – Metaullics  
R. Locey - NYSDEC  
J. Devauld – NCDOH  
D.Taylor - Parsons

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# THIRD 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*

4850 East 49<sup>th</sup> Street

MBC 3-147

Cuyahoga Heights, Ohio 44125

*Prepared by:*

**PARSONS**

40 LA RIVIERE DRIVE, SUITE 350

BUFFALO, NEW YORK 14202

**November 2013**

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*Third 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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4850 East 49<sup>th</sup> Street  
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**November 2013**

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**THIRD 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 July 2013 groundwater sampling event and provides a summary of the OM&M activities completed between July 1 and September 30, 2013.

The July 2013 groundwater sampling event included static water level measurements prior to purging and the collection of groundwater samples from 56 monitoring wells and six recovery wells 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. 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 July 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 July 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 July 2 and July 16, 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.

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. Monitoring well samples were analyzed for VOCs only.

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 July 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 Third 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 September 2013) is provided in Appendix C.

Results for the third 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-3M, B-13M, B-18M, B-38M, P-4, PW-3, and PW-4. Time series plots for these wells and historical and current analytical data for all of the wells have been included in Appendix C.

- B-3M: The July 2013 concentration of TCE (100 ug/L) was the highest observed at this annually sampled location; however, all other compounds were within historical ranges. This well will be sampled again during the next quarterly sampling event to evaluate the potential trend.

- B-13M: In July 2013, 1,1-DCA (25 ug/L), 1,1,1-TCA (4.2 ug/L), and TCE (610 ug/L) were each the third highest concentration observed at this location since 2001. This location is sampled quarterly.
- B-18M: In July 2013 while cis-DCE (6.8 ug/L) was the third lowest and VC (1.7 ug/L) was the lowest concentration observed since 2001. TCE (29 ug/L) was the highest observed at this location. The total VOC concentration was in the range normally observed. This location is sampled annually. This well will be sampled again during the January 2014 sampling event.
- B-38M: The July 2013 analytical results showed TCE (52 ug/L) and 1,1-DCA (1.6 ug/L) at highest observed concentrations since 2001. This resulted in a total VOC (118 ug/L) level higher than previously observed. This location is sampled quarterly.
- P-4: The July 2013 analytical results showed concentrations closer to those typically observed in the recovery well. 1,1,1-TCA (18 ug/L), PCE (ND), 1,1-DCA (39 ug/L), 1,1-DCE (8.4 ug/L), cis-DCE (700 ug/L), and TCE (2,500ug/L) were closer to the typically observed concentrations while remaining slightly elevated. TCE and total VOCs (3,289 ug/L) were the second highest observed at this location.
- PW-3: In the recovery well, total VOCs (538 ug/L) and cis-DCE (120 ug/L) observed in July 2013 appear to be anomalously low. The total VOCs and cis-DCE results are the lowest observed while the TCE concentration (410 ug/L) is the second lowest observed at this location.
- PW-4: The July 2013 analytical results showed concentration of TCE (2.0 ug/L) at the lowest observed at this location. TCE concentrations typically range between 20 and 480 ug/L at this location. Other compounds were within the range typically observed.

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:

- Installed a new level sensor in pumping well PW-1;
- Disposed of spent filter bags;

- Purchased and installed a new autodialer and integrated with the treatment system PLC;
- Replaced equipment damaged during an electrical storm, including the level sensor in Vault 3, air stripper sump pressure differential sensor, and the treatment building sump pump;
- Responded to seven system-wide alarms:
  - Five for the vault water collection system
  - One due to damage from an electrical storm
  - One due to loss of radio control to pumping well PW-3;
- Installed two new vault water collection system sump pumps; and
- Installed a new A/D control unit for the vault water collection system Vault 3 and integrated it with the system PLC.

Recovery well P-2 was turned back on February 11, 2013 and continued to operate throughout the period. Recovery well PW-4 remained off during the period.

## **EFFLUENT AND PERMIT COMPLIANCE ISSUES**

During the reporting period, approximately 2.97 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 third quarter of 2013 was 27.9 pounds. The extracted mass was estimated using individual well pumping rates and analytical results.

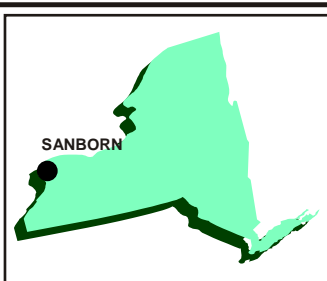
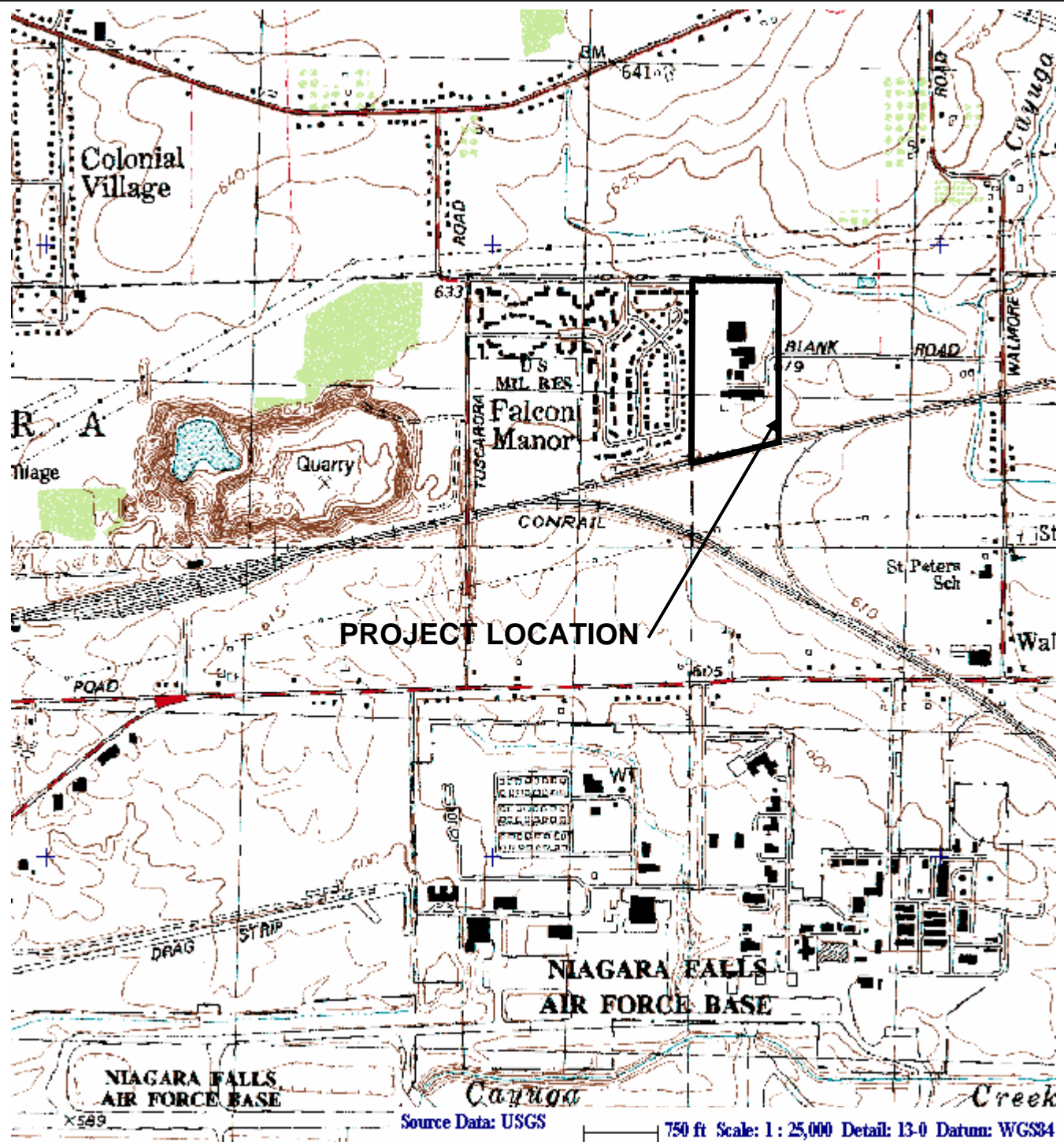
Effluent samples were collected at the outfall (OU1) inside the treatment building. Monthly discharge monitoring reports (DMRs) were provided to NYSDEC, in compliance with the SPDES permit (NY0001988). The DMRs documented the analytical results from the effluent samples. All analytical results were compliant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

Table 5 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 99 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-3M, B-13M, B-18M, B-38M, P-4, PW-3, and PW-4.
- 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 99 percent.

## FIGURES



New York  
Quadrangle

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



SOURCE: DeLORME 3-D  
TOPOQUAD PROGRAM

## FIGURE 1

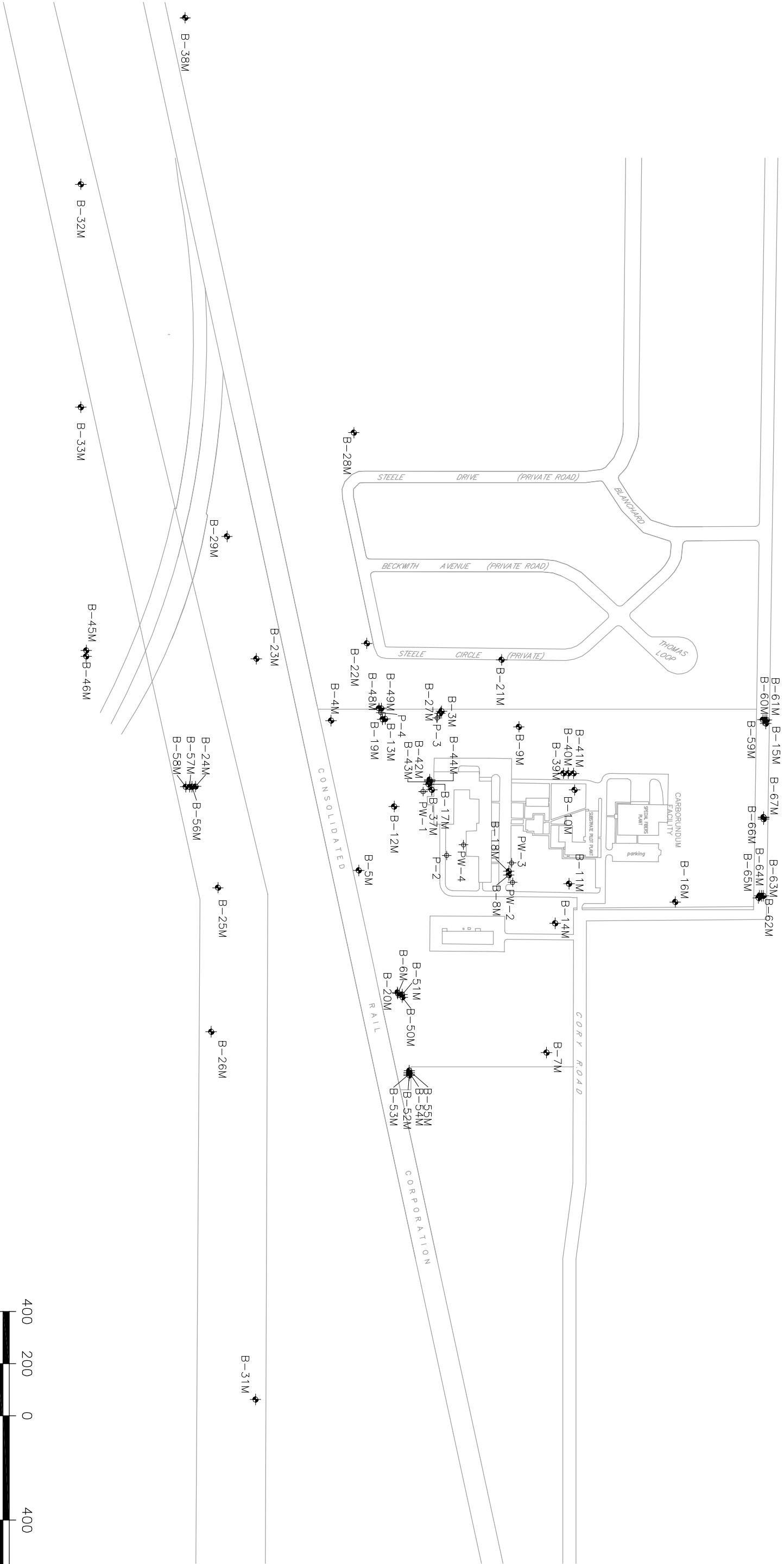
ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
SANBORN, NEW YORK

## PROJECT LOCATION PLAN

**PARSONS**

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





LEGEND:

- MONITORING WELL
- PUMPING WELL



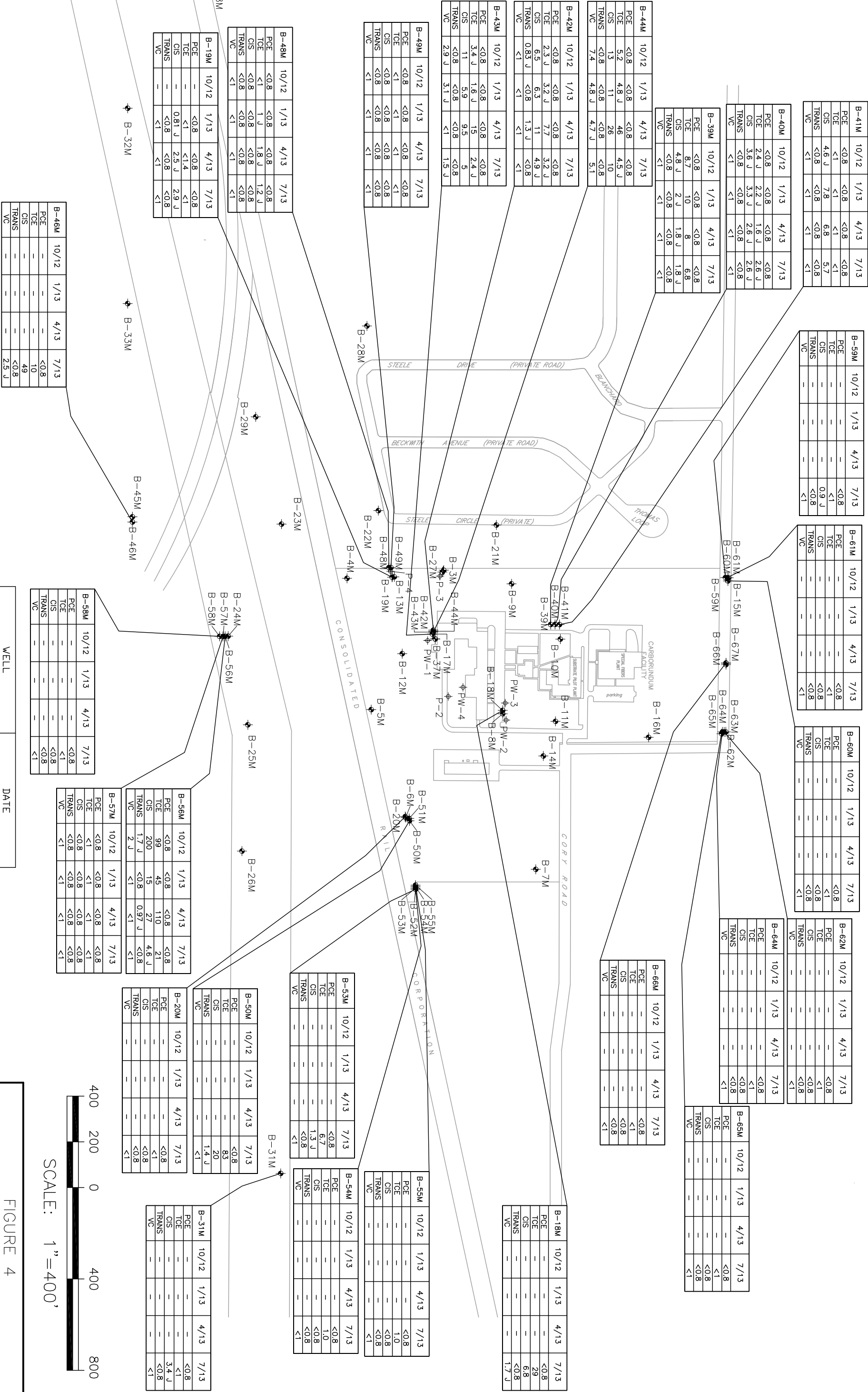


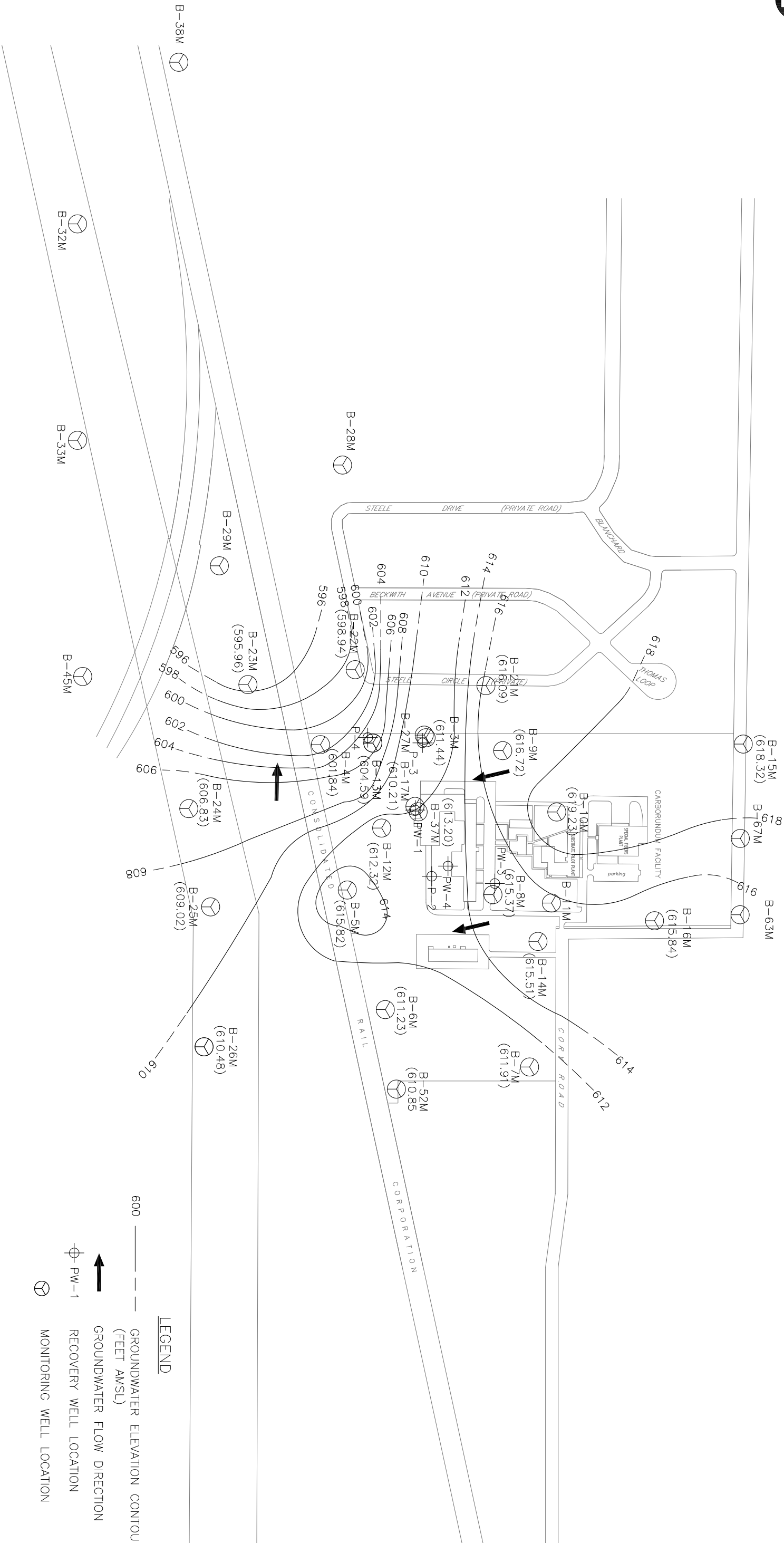
FILE NAME: P:\BP PROGRAM\44775-BP SANBORN CAD\QUARTERLY FIGURES\JULY-2013\SK-447164-TAG-2(JUL 2013).DWG  
PLOT DATE: 11/13/2013 9:43 AM PLOTTED BY: RUSSO, JILL

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

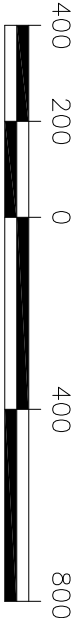




NOTE:

- 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.

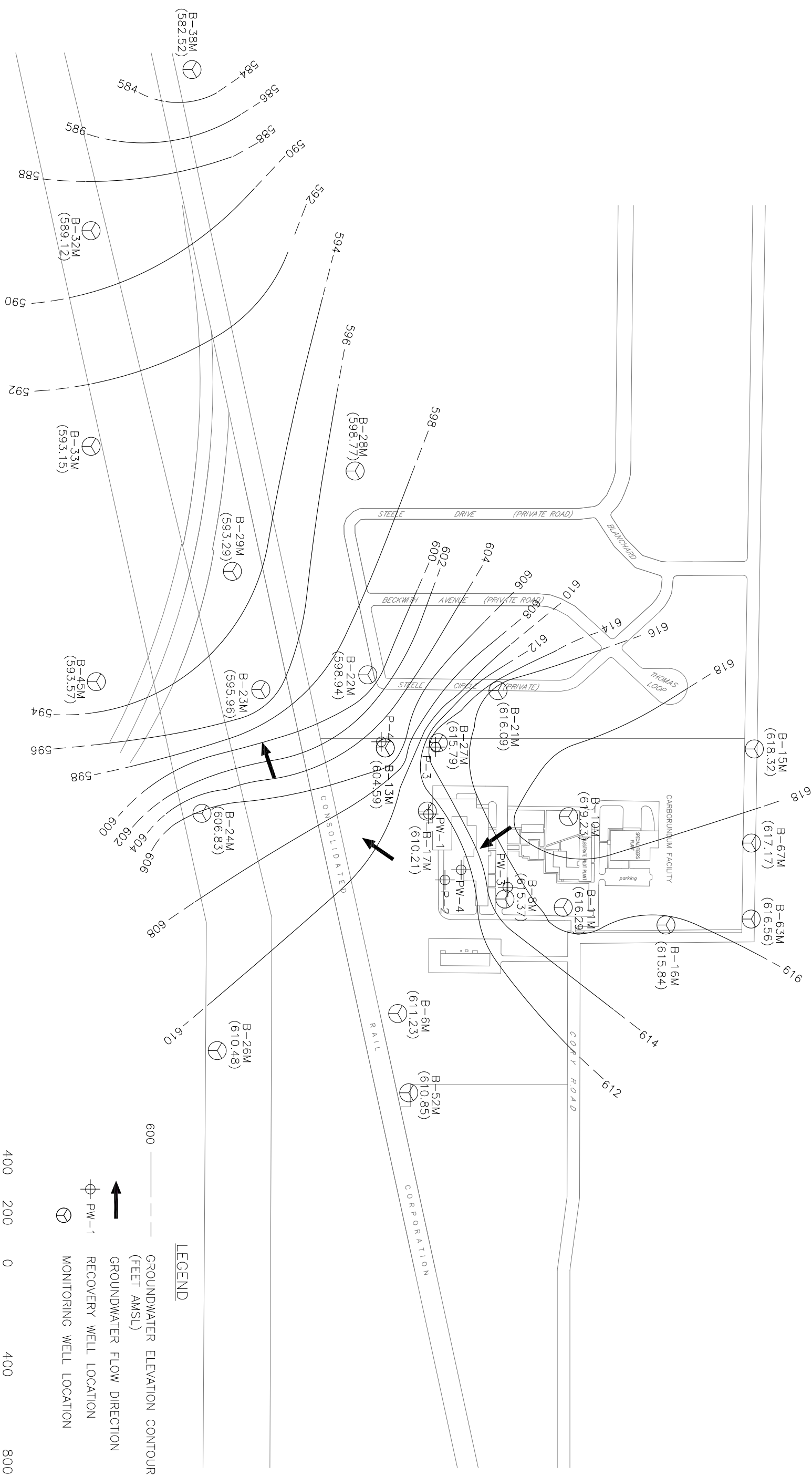
SCALE: 1"=400'



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

LEGEND

FIGURE 5



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.

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ATLANTIC RICHFIELD COMPANY  
FORMER CARBORUNDUM FACILITY  
GROUNDWATER ELEVATION  
ZONE 1 — JULY 1, 2013

## TABLES

**TABLE 1  
MONTHLY GROUNDWATER ELEVATION DATA  
JULY 2013 QUARTERLY SAMPLING EVENT  
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	07/01/13	619.67	20.85	598.82	
P-3	07/01/13	627.35	28.09	599.26	
P-4	07/01/13	624.45	29.45	595.00	
PW-1	07/01/13	619.78	16.30	603.48	
PW-3	07/01/13	618.28	14.62	603.66	
PW-4	07/01/13	620.84	6.05	614.79	
B-3M	07/01/13	625.59	14.15	611.44	
B-4M	07/01/13	622.24	20.40	601.84	
B-5M	07/01/13	620.83	5.01	615.82	
B-6M	07/01/13	615.69	4.46	611.23	
B-7M	07/01/13	616.22	4.31	611.91	
B-8M	07/01/13	618.57	3.20	615.37	
B-9M	07/01/13	623.03	6.31	616.72	
B-10M	07/01/13	626.05	6.82	619.23	
B-11M	07/01/13	622.81	6.52	616.29	
B-12M	07/01/13	622.17	9.85	612.32	
B-13M	07/01/13	626.70	22.11	604.59	
B-14M	07/01/13	618.25	2.74	615.51	
B-15M	07/01/13	623.98	5.66	618.32	
B-16M	07/01/13	624.31	8.47	615.84	
B-17M	07/01/13	622.07	11.86	610.21	
B-18M	07/01/13	618.69	5.05	613.64	
B-19M	07/01/13	626.01	15.73	610.28	
B-20M	07/01/13	615.32	5.42	609.90	
B-21M	07/01/13	622.56	6.47	616.09	
B-22M	07/01/13	622.29	23.35	598.94	
B-23M	07/01/13	617.71	21.75	595.96	
B-24M	07/01/13	617.24	10.41	606.83	
B-25M	07/01/13	619.31	10.29	609.02	
B-26M	07/01/13	618.06	7.58	610.48	
B-27M	07/01/13	626.04	10.25	615.79	
B-28M	07/01/13	622.62	23.85	598.77	
B-29M	07/01/13	618.31	25.02	593.29	
B-31M	07/01/13	613.78	5.90	607.88	
B-32M	07/01/13	619.35	30.23	589.12	
B-33M	07/01/13	612.43	19.28	593.15	
B-37M	07/01/13	616.90	3.70	613.20	
B-38M	07/01/13	609.81	27.29	582.52	
B-39M	07/01/13	626.12	9.76	616.36	
B-40M	07/01/13	626.23	10.80	615.43	
B-41M	07/01/13	626.31	13.70	612.61	
B-42M	07/01/13	623.76	7.65	616.11	
B-43M	07/01/13	623.64	10.29	613.35	
B-44M	07/01/13	623.29	12.81	610.48	
B-45M	07/01/13	612.12	18.55	593.57	
B-46M	07/01/13	613.46	19.83	593.63	
B-48M	07/01/13	625.40	9.68	615.72	
B-49M	07/01/13	625.56	21.00	604.56	
B-50M	07/01/13	616.47	5.55	610.92	concrete cracked
B-51M	07/01/13	616.48		NA	damaged
B-52M	07/01/13	616.26	5.41	610.85	
B-53M	07/01/13	616.14	5.30	610.84	
B-54M	07/01/13	616.00	5.25	610.75	
B-55M	07/01/13	615.59	21.02	594.57	
B-56M	07/01/13	617.78	21.36	596.42	
B-57M	07/01/13	617.80	23.17	594.63	
B-58M	07/01/13	617.99	20.15	597.84	
B-59M	07/01/13	625.53	18.92	606.61	
B-60M	07/01/13	625.67	9.45	616.22	
B-61M	07/01/13	625.72	8.81	616.91	
B-62M	07/01/13	624.14	0.50	623.64	
B-63M	07/01/13	624.04	7.48	616.56	
B-64M	07/01/13	624.05	7.57	616.48	
B-65M	07/01/13	623.98	8.97	615.01	
B-66M	07/01/13	625.54	8.76	616.78	
B-67M	07/01/13	625.59	8.42	617.17	

**TABLE 2**  
**MONITORING WELL GROUNDWATER PURGING DATA**  
**JULY 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	7/11/13	9:10	619.67								Pumping well
P-3	7/8/13	12:05	627.35								Pumping well
P-4	7/9/13	13:00	624.45								Pumping well
PW-1	7/8/13	10:15	619.78								Pumping well
PW-3	7/2/13	9:20	618.28								Pumping well
PW-4	7/11/13	8:55	618.28								Pumping well
B-3M	7/8/13	11:35	625.59	15.34		25.5	10.16	1.73	-3.5	5	
B-4M	7/8/13	14:10	622.24	20.71		27.49	6.78	1.15	-2.5	4	
B-5M	7/9/13	12:20	620.83	6.54		31.05	24.51	4.17	21	5	
B-6M	7/15/13	10:45	615.69	6.30		19.15	12.85	2.18	5	4	
B-7M	7/9/13	10:00	616.22	5.29		18.95	13.66	2.30	12	5	
B-8M	7/2/13	8:20	618.57	3.60		17.80	14.20	2.40	12.1	5	
B-9M	7/2/13	10:10	623.03	6.37		21.16	14.29	2.51	7.5	5	
B-10M	7/2/13	10:35	622.56	7.63		27.91	30.28	3.45	18	4	
B-11M	7/2/13	11:10	622.81	6.81		23.79	16.98	2.89	15.0	4	
B-12M	7/9/13	11:50	622.17	11.19		21.87	10.68	1.82	10.0	4	
B-13M	7/8/13	12:45	617.20	22.38		36.00	13.62	2.32	12	5	
B-14M	7/9/13	10:30	618.25	3.68		15.78	12.10	2.06	10.5	5	
B-15M	7/10/13	15:30	623.98	7.41		24.11	16.70	2.84	14.5	4	
B-16M	7/9/13	11:00	626.08	9.44		25.17	15.73	2.67	13.5	5	
B-17M	7/8/13	8:30	622.07	13.21		26.01	12.80	2.18	11	4	
B-18M	7/2/13	8:55	618.69	5.84		50.33	44.49	7.60	-38	5	
B-19M	7/8/13	13:35	626.01	17.00		26.11	9.11	1.55	8	4	
B-20M	7/15/13	11:25	615.40	7.06		49.93	42.87	7.30	37	5	
B-21M	7/11/13	11:55	622.56	8.17		26.54	18.37	3.12	16	4	
B-22M	7/11/13	12:30	617.71	23.91		35.93	12.02	2.04	8	4	
B-23M	7/16/13	9:10	617.71	22.83		31.64	8.81	1.50	8	4	
B-24M	7/16/13	12:40	617.20	11.71		28.30	16.59	2.82	-10	4	
B-26M	7/9/13	8:40	618.06	8.42		30.00	21.58	3.67	19	5	
B-28M	7/11/13	13:15	622.62	24.67		34.57	9.90	1.68	-6.8	4	
B-29M	7/16/13	8:20	618.31	26.54		38.50	11.96	2.03	10.5	4	
B-31M	7/9/13	9:15	613.78	6.82		43.70	36.88	6.27	32	5	
B-32M	7/15/13	14:45	619.35	32.29		40.50	8.21	1.40	-5.6	4	
B-33M	7/16/13	7:45	612.43	21.11		31.91	10.80	1.84	.9	4	
B-38M	7/11/13	8:05	609.81	27.57		41.19	13.62	2.32	12	4	
B-39M	7/2/13	13:45	626.12	10.24		44.98	34.74	5.91	30	5	
B-40M	7/2/13	10:48	626.23	11.45		57.95	46.50	7.90	40	5	
B-41M	7/2/13	12:05	626.31	14.26		72.63	58.37	9.90	50	5	
B-42M	7/8/13	11:00	623.76	9.07		45.40	36.33	6.20	31	5	
B-43M	7/8/13	9:50	623.64	11.57		58.85	47.28	8.04	41	5	
B-44M	7/8/13	9:05	623.29	13.90		80.42	66.52	11.31	23.5	4,5	
B-45M	7/15/13	13:50	612.12	19.93		24.81	4.88	0.83	21.76	4	
B-46M	7/15/13	14:00	613.46	21.31		39.91	18.60	3.16	-12.8	5	
B-48M	7/9/13	14:15	625.40	11.13		46.89	35.76	6.08	31	5	
B-49M	7/9/13	13:10	625.56	22.12		82.56	60.44	10.30	52	5	
B-50M	7/15/13	13:00	616.47	7.14		35.80	28.66	4.87	25	5	
B-52M	7/15/13	8:30	616.48	7.0		22.41	15.40	2.62	14.0	5,0	
B-53M	7/15/13	9:00	616.14	6.88		37.27	30.39	5.17	21	5	
B-54M	7/15/13	9:45	616.00	7.27		57.46	50.19	8.53	-20	4,5	
B-55M	7/15/13	10:05	615.59	22.71		84.92	62.21	10.58	-20.6	4,5	
B-56M	7/16/13	10:50	617.78	22.89		39.61	16.72	2.84	15	5	
B-57M	7/16/13	9:50	617.80	25.15		50.54	25.39	4.32	-10.5	4,5	
B-58M	7/16/13	11:35	617.99	22.02		63.67	41.65	7.08	-28	5	
B-59M	7/10/13	12:55	625.53	20.36		69.00	48.64	8.27	32.2	5	
B-60M	7/10/13	14:00	625.67	11.42		55.05	43.63	7.42	-30	5	
B-61M	7/10/13	14:55	625.72	10.54		29.55	19.01	3.23	12.92	5	
B-62M	7/10/13	8:20	623.89	2.70		91.40	88.70	15.10	76	5	
B-63M	7/10/13	9:30	624.14	8.99		27.21	18.22	3.10	16	5	
B-64M	7/10/13	10:10	623.95	9.08		42.37	33.29	5.66	28.5	5	
B-65M	7/10/13	10:50	624.19	10.56		57.20	46.64	7.93	40	5	
B-66M	7/10/13	11:40	625.37	10.29		41.19	30.90	5.25	27	5	
B-67M	7/10/13	12:25	625.51	10.03		24.77	14.74	2.50	10	5	
Tank #2	7/11/13	11:26									

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**  
**JULY 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	7/11/13	9:10	7.05	1.14	59.1	2	Pumping well
P-3	7/8/13	12:05	7.47	1.44	55.1	66	Pumping well
P-4	7/9/13	13:00	7.09	0.98	55.2	5	Pumping well
PW-1	7/8/13	10:15	7.71	0.78	58.7	1	Pumping well
PW-3	7/2/13	9:20	6.88	0.89	38.9	33	Pumping well
PW-4	7/11/13	8:55	7.82	0.52	66.7	9	Pumping well
B-3M	7/8/13	11:35	7.48	1.17	53.5	130	
B-4M	7/8/13	14:10	7.34	1.75	54.8	61	
B-5M	7/9/13	12:20	7.36	0.48	53.6	403	
B-6M	7/15/13	10:45	7.58	1.29	52.50	423	
B-7M	7/9/13	10:00	6.99	0.75	52.60	7	
B-8M	7/2/13	8:20	6.37	0.95	56.10	61	
B-9M	7/2/13	10:10	7.64	0.41	53.90	45	
B-10M	7/2/13	10:35	7.38	1.37	54.30	16	
B-11M	7/2/13	11:10	7.49	0.66	59.30	22	
B-12M	7/9/13	11:50	7.07	0.76	54.20	658	
B-13M	7/8/13	12:45	7.38	0.95	55.80	133	
B-14M	7/9/13	10:30	7.07	0.76	56.60	278	
B-15M	7/10/13	15:30	7.1	1.37	53.40	70	
B-16M	7/9/13	11:00	7.11	1.05	55.80	3	
B-17M	7/8/13	8:30	7.07	1.11	55.50	119	
B-18M	7/2/13	8:55	7.71	1.40	55.40	70	
B-19M	7/8/13	13:35	7.32	1.43	54.60	4	
B-20M	7/15/13	11:25	7.77	1.09	53.90	56	
B-21M	7/11/13	11:55	7.06	1.12	55.80	102	
B-22M	7/11/13	12:30	7.15	1.20	55.60	29	
B-23M	7/16/13	9:10	7.03	1.03	54.00	207	
B-24M	7/16/13	12:40	7.03	1.04	53.40	27	
B-26M	7/9/13	8:40	7.54	0.95	55.60	39	
B-28M	7/11/13	13:15	7.07	1.10	55.90	232	
B-29M	7/16/13	8:20	7.01	1.88	54.30	165	
B-31M	7/9/13	9:15	7.47	0.77	56.50	172	
B-32M	7/15/13	14:45	7.35	1.13	53.60	96	
B-33M	7/16/13	7:45	7.13	1.12	55.80	4.34	
B-38M	7/11/13	8:05	7.08	1.12	53.00	37	
B-39M	7/2/13	13:45	7.53	0.88	57.00	19	
B-40M	7/2/13	10:48	7.86	1.29	55.00	33	
B-41M	7/2/13	12:05	8.15	1.00	55.10	14	
B-42M	7/8/13	11:00	7.40	0.80	58.30	13	
B-43M	7/8/13	9:50	7.86	1.57	58.40	32	
B-44M	7/8/13	9:05	7.29	2.75	57.10	37	
B-45M	7/15/13	13:50	7.53	1.50	53.30	1000+	
B-46M	7/15/13	14:00	7.86	1.19	55.00	28	
B-48M	7/9/13	14:15	7.33	0.88	54.20	26	
B-49M	7/9/13	13:10	7.0	2.75	55.20	76	
B-50M	7/15/13	13:00	7.40	0.79	57.80	33	
B-52M	7/15/13	8:30	7.39	1.05	56.40	1000+	
B-53M	7/15/13	9:00	6.71	0.92	56.50	28	
B-54M	7/15/13	9:45	10.11	1.58	55.20	53	
B-55M	7/15/13	10:05	7.36	3.67	53.70	21	
B-56M	7/16/13	10:50	7.88	1.38	54.90	74	
B-57M	7/16/13	9:50	7.07	2.16	52.40	13	
B-58M	7/16/13	11:35	7.66	1.42	55.00	42	
B-59M	7/10/13	12:55	7.25	1.57	56.30	78	
B-60M	7/10/13	14:00	7.66	1.16	56.70	62	
B-61M	7/10/13	14:55	7.4	0.86	56.30	26	
B-62M	7/10/13	8:20	7.06	2.96	62.30	60	
B-63M	7/10/13	9:30	6.99	1.99	55.30	147	
B-64M	7/10/13	10:10	7.13	1.04	58.40	27	
B-65M	7/10/13	10:50	7.39	2.08	56.00	23	
B-66M	7/10/13	11:40	9.4	0.75	56.30	14	
B-67M	7/10/13	12:25	7.3	1.55	56.40	134	
Tank#2	7/11/13	11:26	7.56	1.39	74.10	24	

**TABLE 4**  
**MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY**  
**JULY 2013 QUARTERLY SAMPLING EVENT**  
**THE 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	7125530	7/11/2013	< 1.0	< 0.80	77	21	< 2.0	9.1	780	789.1	530	8700	44	1.3 J
P-3	7120726	7/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	3.7 J	100	103.7	< 0.80	2.2 J	1.6 J	< 0.80
P-4	7122573	7/9/2013	< 5.0	< 4.0	39	8.4 J	< 10	7.8 J	700	707.8	18 J	2500	16 J	< 4.0
PW-1	7120731	7/8/2013	< 1.0	< 0.80	2.6 J	1.5 J	< 2.0	2.0 J	260	262	1.1 J	660	14	< 0.80
PW-3	7117031	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	120	120	< 0.80	410	2.7 J	5.1
PW-4	7125531	7/11/2013	< 1.0	< 0.80	1.2 J	< 0.80	< 2.0	< 0.80	44	44	1.5 J	2.0 J	3.0 J	< 0.80
B- 3M	7120727	7/8/2013	< 1.0	< 0.80	1.7 J	1.2 J	< 2.0	2.8 J	160	162.8	1.1 J	100	22	< 0.80
B- 4M	7120735	7/8/2013	< 1.0	< 0.80	1.3 J	0.81 J	< 2.0	5	89	94	< 0.80	28	10	< 0.80
B- 5M	7122572	7/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.4 J	3.4	< 0.80	25	< 1.0	< 0.80
B- 6M	7128199	7/15/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	12	12	< 0.80	160	< 1.0	< 0.80
B- 7M	7122567	7/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	0.94 J	0.94	< 0.80	5.2	< 1.0	< 0.80
B- 8M	7117030	7/2/2013	< 1.0	< 8.0	< 1.0	< 8.0	< 2.0	< 8.0	770	770	< 8.0	21000	18 J	< 8.0
B- 9M	7117034	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	3.2 J	< 1.0	< 0.80
B-10M	7117035	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.2 J	3.2	2.1 J	28	< 1.0	< 0.80
B-11M	7117036	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	4.3 J	4.3	< 0.80	81	< 1.0	4.4 J
B-12M	7122571	7/9/2013	< 1.0	< 0.80	4.7 J	1.8 J	< 2.0	2.1 J	80	82.1	8.8	490	< 1.0	< 0.80
B-13M	7120723	7/8/2013	< 1.0	< 0.80	26	5.2	< 2.0	4.2 J	460	464.2	4.2 J	610	17	1.5 J
B-14M	7122569	7/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	28	28	< 0.80	54	< 1.0	< 0.80
B-15M	7123810	7/10/2013	< 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-16M	7122570	7/9/2013	< 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-17M	7120732	7/8/2013	< 2.0	< 1.6	76	47	< 4.0	51	10000	10051	14	5200	1200	4.1 J
B-18M	7117032	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	6.8	6.8	< 0.80	29	1.7 J	< 0.80
B-19M	7120734	7/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.9 J	2.9	< 0.80	< 1.0	< 1.0	< 0.80
B-20M	7128198	7/15/2013	< 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-21M	7125533	7/11/2013	< 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	7125534	7/11/2013	< 1.0	< 0.80	1.2 J	< 0.80	< 2.0	5.7	150	155.7	< 0.80	53	< 1.0	< 0.80
B-23M	7129889	7/16/2013	< 1.0	< 0.80	3.4 J	0.91 J	< 2.0	2.2 J	190	192.2	1.4 J	170	9.3	< 0.80
B-24M	7129892	7/16/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	1.9 J	1.9	< 0.80	3.7 J	< 1.0	< 0.80
B-26M	7122565	7/9/2013	< 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-28M	7125535	7/11/2013	< 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-29M	7129890	7/16/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	0.93 J	0.93	< 0.80	< 1.0	< 1.0	< 0.80
B-31M	7122566	7/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.4 J	3.4	< 0.80	< 1.0	< 1.0	< 0.80
B-32M	7128195	7/15/2013	< 1.0	< 0.80	1.1 J	< 0.80	< 2.0	1.4 J	43	44.4	< 0.80	31	4.5 J	< 0.80
B-33M	7129891	7/16/2013	< 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	7125532	7/11/2013	< 1.0	< 0.80	1.6 J	0.94 J	< 2.0	1.4 J	60	61.4	< 0.80	52	1.9 J	< 0.80
B-39M	7117041	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	1.8 J	1.8	< 0.80	6.8	< 1.0	< 0.80
B-40M	7117040	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.6 J	2.6	< 0.80	2.6 J	< 1.0	< 0.80
B-41M	7117037	7/2/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	5.7	5.7	< 0.80	< 1.0	< 1.0	< 0.80
B-42M	7120728	7/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	4.9 J	4.9	< 0.80	3.2 J	< 1.0	< 0.80
B-43M	7120729	7/8/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	5	5	< 0.80	2.4 J	1.5 J	< 0.80
B-44M	7120733	7/8/2013	< 1.0	< 0.80	7.7	< 0.80	< 2.0	< 0.80	10	10	< 0.80	4.5 J	5.1	< 0.80
B-45M	7128196	7/15/2013	< 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-46M	7128197	7/15/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	49	49	< 0.80	10	2.5 J	< 0.80
B-48M	7122577	7/9/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	1.2 J	< 1.0	< 0.80
B-49M	7122574	7/9/2013	< 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-50M	7128201	7/15/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.4 J	20	21.4	< 0.80	83	< 1.0	< 0.80
B-52M	7128207	7/15/2013	< 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-53M	7128206	7/15/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	1.3 J	1.3	< 0.80	6.7	< 1.0	< 0.80
B-54M	7128205	7/15/2013	< 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-55M	7128204	7/15/2013	< 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	7129886	7/16/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	4.6 J	4.6	< 0.80	21	< 1.0	< 0.80
B-57M	7129885	7/16/2013	< 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-58M	7129893	7/16/2013	< 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-59M	7123808	7/10/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	0.90 J	0.9	< 0.80	< 1.0	< 1.0	< 0.80
B-60M	7123811	7/10/2013	< 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-61M	7123809	7/10/2013	< 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-62M	7123803	7/10/2013	< 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-63M	7123802	7/10/2013	< 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-64M	7123804	7/10/2013	< 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-65M	7123805	7/10/2013	< 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-66M	7123806	7/10/2013	< 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-67M	7123807	7/10/2013	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80

**TABLE 5**  
**GROUNDWATER REMEDIATION PERFORMANCE SUMMARY**  
**JULY 2013 QUARTERLY SAMPLING EVENT**  
**THE FORMER CARBORUNDUM FACILITY**  
**SANBORN, NEW YORK**

Well	Category	Units	July 2013	August 2013	September 2013
		Days	31	31	30
P-2	Uptime	(%)	98%	100%	98%
	Average Flow	(gpm)	1.32	1.42	1.13
	Total Flow	(gal)	79,585	62,557	48,902
	VOC Concentration	(ppb)	9,534	9,534	9,534
	Total Contaminant Removed	(lbs)	6.3	5.0	3.9
	% of Total Flow		3.68%	3.64%	2.97%
P-3	Uptime	(%)	98%	100%	98%
	Average Flow	(gpm)	0.02	0.02	0.01
	Total Flow	(gal)	1,110	735	415
	VOC Concentration	(ppb)	108	108	108
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0
	% of Total Flow		0.05%	0.04%	0.03%
P-4	Uptime	(%)	98%	100%	98%
	Average Flow	(gpm)	1.40	1.08	0.40
	Total Flow	(gal)	65,690	55,612	24,876
	VOC Concentration	(ppb)	3,224	3,224	3,224
	Total Contaminant Removed	(lbs)	1.8	1.5	0.7
	% of Total Flow		3.04%	3.23%	1.51%
PW-1	Uptime	(%)	98%	100%	100%
	Average Flow	(gpm)	33.70	31.51	31.03
	Total Flow	(gal)	1,772,476	1,416,133	1,352,149
	VOC Concentration	(ppb)	936	936	936
	Total Contaminant Removed	(lbs)	13.8	11.1	10.6
	% of Total Flow		81.94%	82.30%	82.18%
PW-3	Uptime	(%)	98%	100%	100%
	Average Flow	(gpm)	3.70	1.27	1.27
	Total Flow	(gal)	176,475	141,733	175,000
	VOC Concentration	(ppb)	538	538	538
	Total Contaminant Removed	(lbs)	0.8	0.6	0.8
	% of Total Flow		8.16%	8.24%	10.64%
Vaults	Uptime	(%)	98%	100%	100%
	Average Flow	(gpm)	1.52	0.98	1.02
	Total Flow	(gal)	67,882	43,969	44,010
	VOC Concentration	(ppb)	895	895	895
	Total Contaminant Removed	(lbs)	0.5	0.3	0.3
	% of Total Flow		3.14%	2.56%	2.67%
GRS Total	Uptime	(%)	98%	100%	99%
	Average Flow	(gpm)	24.06	22.09	20.56
	Total Flow-Mechanical Effluent Meter	(gal)	1,080,940	1,010,588	882,546
	VOCs to Influent	(ppm)	1538	903	867
	Total Contaminant Removed	(lbs)	13.9	7.6	6.4

Notes:

1. For the period of 7/1/13 to 9/30/13.
2. Uptime estimated and reflects potential uptime.
3. Flow rates are estimated throughout the period due to meter malfunctions.
4. Total contaminant removal from each well is calculated using the flow through the meter at the well head.
5. VOC Concentration (in a given well) equals the sum of the compounds cis-1,2-DCE, trans-1,2-DCE, 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**  
 BP, Sanborn, NY

Monitoring Well I.D.: B-3 Date: 7/8/13 Time Started: 1135 Field Personnel: RC Becken  
 Weather Conditions: sunny hot humid  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 25.5 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 15.34 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 10.16 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 6.73 FiveWell Volumes (gals.) 8.64

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>1.73</u>	<u>~1.75</u>	<u>56.7</u>	<u>1.25</u>	<u>312</u>	
	<u>~3.5</u>	<u>53.9</u>	<u>1.19</u>	<u>279</u>	
		<u>52.7</u>	<u>1.18</u>	<u>239</u>	
		<u>53.3</u>	<u>1.18</u>	<u>184</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/8/13 Time Sampled: 1200 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 15.46

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-3</u>	<u>53.5</u>	<u>7.48</u>	<u>1.17</u>	<u>130</u>	<u>Ants in well</u>

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/8/13

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

Monitoring Well I.D.: B-4 Date: 7/8/13 Time Started: 1410 Field Personnel: RC Becken  
 Weather Conditions: sunny hot humid  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 22.49 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 20.71 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.47 3" = 0.38  
 Calculated Water Column Height (ft) 6.78 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 1.15 FiveWell Volumes (gals.) 5.76

Notes:

**Well Conditions**

Well Riser Type (Circle one): Carbon Steel Stainless 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): Polyethylene Bailer Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailer Other:  

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.15</u>	<u>~1.2</u>	<u>84.1</u>	<u>1.21</u>	<u>59</u>	<u>well empty</u>
	<u>~2.4</u>	<u>53.3</u>	<u>1.69</u>	<u>64</u>	
	<u>~3.6</u>				
	<u>~4.8</u>				

Comments: Amount purged ~2.5 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 1435 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 26.27  
 Sampling Method (Circle one): Polyethylene Bailer Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailer Other:  

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-4</u>	<u>54.8</u>	<u>7.34</u>	<u>1.75</u>	<u>61</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/8/13

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

Monitoring Well I.D.: B-5 Date: 7/9/13 Time Started: 1220 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 31.05 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 6.54 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 24.51 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 4.17 FiveWell Volumes (gals.) 26.8

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>4.17</u>	<u>~4.2</u>	<u>54.4</u>	<u>0.53</u>	<u>736</u>	
	<u>~8.4</u>	<u>53.8</u>	<u>0.54</u>	<u>985</u>	
	<u>~12.6</u>	<u>53.2</u>	<u>0.58</u>	<u>360</u>	
	<u>~16.8</u>	<u>52.6</u>	<u>0.60</u>	<u>152</u>	

Comments: Amount purged 21 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 1250 Field Personnel: R C Becken

Measured Water Level (TOR ft): 9.05

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-5</u>	<u>53.6</u>	<u>7.36</u>	<u>0.48</u>	<u>403</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/9/13



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

Monitoring Well I.D.: B-6 Date: 7/15/13 Time Started: 1045 Field Personnel: RC Becken  
Weather Conditions: Sunny hot  
Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 19.15 Riser Pipe Diameter (in) 2 in.  
Measured Water Level (TOR - ft) 6.3 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
Calculated Water Column Height (ft) 12.85 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
One Well Volume (gals.) 2.18 Five Well Volumes (gals.) 10.9

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 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>2.18</u>	<u>~2.2</u>	<u>57.2</u>	<u>1.72</u>	<u>395</u>	
	<u>~4.4</u>	<u>53.2</u>	<u>1.66</u>	<u>1000+</u>	<u>well dry</u>
					<u>Ants in well</u>

Comments: Amount purged 5 gal

**Sampling Information**

Date: 7/15/13 Time Sampled: 1230 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 15.33

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-6</u>	<u>52.5</u>	<u>7.58</u>	<u>1.29</u>	<u>423</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/15/13



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

Monitoring Well I.D.: B-7 Date: 7/9/13 Time Started: 1000 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 18.95 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 5.29 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 13.66 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.3 Five Well Volumes (gals.) 11.6

Notes:

**Well Conditions**

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC  
 Casing Condition: OK Repair Required: needs repair  
 Cap Condition: OK Repair Required: "  
 Paint Condition: OK Repair Required: "  
 Lock Condition: OK Repair Required: can not lock  
 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>2.3</u>	<u>~2.3</u>	<u>53.1</u>	<u>0.75</u>	<u>137</u>	
	<u>~4.6</u>	<u>54.3</u>	<u>0.75</u>	<u>35</u>	
	<u>~6.9</u>	<u>53.9</u>	<u>0.75</u>	<u>16</u>	
	<u>~9.2</u>	<u>53.2</u>	<u>0.75</u>	<u>10</u>	

Comments: Amount purged 12 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 1025 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 5.45  
 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-7</u>	<u>52.6</u>	<u>6.99</u>	<u>0.75</u>	<u>7</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/9/13

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

Monitoring Well I.D.: B-8 Date: 7/2/13 Time Started: 0820 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>17.8</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>3.6</u>	Conversion Factor (gal/lineal ft)
Calculated Water Column Height (ft) <u>14.2</u>	(Circle One) <u>1.25" = 0.08    2" = 0.17    3" = 0.38</u>
One Well Volume (gals.) <u>2.4</u>	<u>4" = 0.66    6" = 1.50    8" = 2.60</u>
Notes:	FiveWell Volumes (gals.) <u>12.07</u>

**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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.4</u>	<u>~2.4</u>	<u>58.9</u>	<u>0.87</u>	<u>1,000+</u>	
	<u>~4.8</u>	<u>58.2</u>	<u>0.89</u>	<u>999</u>	
	<u>~7.4</u>	<u>57.1</u>	<u>0.92</u>	<u>860</u>	
	<u>~9.6</u>	<u>56.5</u>	<u>0.95</u>	<u>24</u>	
	<u>~11.6</u>	<u>56.0</u>	<u>0.95</u>	<u>18</u>	

Comments: Amount purged ~12.1

**Sampling Information**

Date: 7/2/13 Time Sampled: 0850 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 4.69

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-8</u>	<u>56.1</u>	<u>6.37</u>	<u>0.95</u>	<u>61</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/2/13

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

Monitoring Well I.D.: B-9 Date: 7/2/13 Time Started: 1010 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 21.16 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 6.37 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 14.79 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.51 FiveWell Volumes (gals.) 12.55

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>2.51</u>	<u>~2.5</u>	<u>54.9</u>	<u>0.44</u>	<u>18</u>	
	<u>5</u>	<u>53.7</u>	<u>0.43</u>	<u>11</u>	
	<u>2.5</u>	<u>53.7</u>	<u>0.46</u>	<u>6</u>	
		<u>53.6</u>	<u>0.48</u>	<u>5</u>	

Comments: Amount purged: Ants in well

**Sampling Information**

Date: 7/2/13 Time Sampled: 1030 Field Personnel: R C Becken

Measured Water Level (TOR ft): 6.66

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-9</u>	<u>53.9</u>	<u>7.64</u>	<u>0.41</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): R C Becken

Date: 7/2/13

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

Monitoring Well I.D.: B-10 Date: 7/2/13 Time Started: 1035 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>27.91</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>7.63</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>20.28</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>3.45</u>	Five Well Volumes (gals.) <u>17.24</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>3.45</u>	<u>~3.45</u>	<u>55.5</u>	<u>1.30</u>	<u>65</u>	
	<u>~7</u>	<u>54.6</u>	<u>1.35</u>	<u>55</u>	
	<u>~10.5</u>	<u>54.4</u>	<u>1.37</u>	<u>29</u>	
	<u>~14</u>	<u>54.5</u>	<u>1.38</u>	<u>19</u>	

Comments: Amount purged ~18 gal

**Sampling Information**

Date: 7/2/13 Time Sampled: 1105 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 10.21

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-10</u>	<u>54.3</u>	<u>7.38</u>	<u>1.37</u>	<u>16</u>	

QA/QC Samples Taken: Field Dwp\*1

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/2/13

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

Monitoring Well I.D.: B-11 Date: 7/2/13 Time Started: 1110 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>23.79</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>6.81</u>	Conversion Factor (gal/lineal ft) <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>16.98</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>2.89</u>	FiveWell Volumes (gals.) <u>14.9</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>2.89</u>	<u>~2.9</u>	<u>58.1</u>	<u>0.86</u>	<u>115</u>	
	<u>~6</u>	<u>58.3</u>	<u>0.69</u>	<u>41</u>	
	<u>~9</u>	<u>58.5</u>	<u>0.66</u>	<u>32</u>	
	<u>~12</u>	<u>58.4</u>	<u>0.68</u>	<u>26</u>	

Comments: Amount purged 15 gal

**Sampling Information**

Date: 7/2/13 Time Sampled: 1140 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 6.87

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-11</u>	<u>59.3</u>	<u>7.49</u>	<u>0.66</u>	<u>22</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/2/13

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

Monitoring Well I.D.: B-12 Date: 7/9/13 Time Started: 11:50 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>21.87</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>11.19</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>10.68</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.82</u>	Five Well Volumes (gals.) <u>9.08</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 (NTU's)	Comments
<u>1.82</u>	<u>~1.82</u>	<u>56.1</u>	<u>0.74</u>	<u>459</u>	<u>Ants in well</u>
	<u>~3.64</u>	<u>54.3</u>	<u>0.75</u>	<u>613</u>	
	<u>~4.5</u>	<u>53.9</u>	<u>0.74</u>	<u>652</u>	
	<u>~7.3</u>	<u>53.6</u>	<u>0.76</u>	<u>1000+</u>	

Comments: Amount purged 10 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 12:15 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 11.26

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-12</u>	<u>54.2</u>	<u>7.07</u>	<u>0.76</u>	<u>659</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/9/13



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

Monitoring Well I.D.: B-13 Date: 7/8/13 Time Started: 1245 Field Personnel: RC Becken  
 Weather Conditions: Sunny hot humid  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 36 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 22.38 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 13.62 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.32 FiveWell Volumes (gals.) 11.6

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 Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
 Teflon Bailer Polyethylene Bailer Other: Purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.32</u>	<u>~2.3</u>	<u>57.5</u>	<u>1.28</u>	<u>12</u>	
	<u>~4.6</u>	<u>57.1</u>	<u>1.24</u>	<u>5</u>	
	<u>~6.9</u>	<u>56.4</u>	<u>1.24</u>	<u>3</u>	
	<u>~9.3</u>	<u>56.4</u>	<u>1.23</u>	<u>3</u>	

Comments: Amount purged 12 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 1320 Field Personnel: R C Becken

Measured Water Level (TOR ft): 22.51

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-13</u>	<u>55.8</u>	<u>7.38</u>	<u>0.95</u>	<u>133</u>	

QA/QC Samples Taken: MS + MSD

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/8/13

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

Monitoring Well I.D.: B-14 Date: 7/9/13 Time Started: 1030 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 15.79 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 3.68 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 12.1 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.05 FiveWell Volumes (gals.) 10.3

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>2.05</u>	<u>~2</u>	<u>56.3</u>	<u>0.75</u>	<u>875</u>	
	<u>~4</u>	<u>56.5</u>	<u>0.73</u>	<u>251</u>	
	<u>~6</u>	<u>55.3</u>	<u>0.72</u>	<u>185</u>	
	<u>~8</u>	<u>55.4</u>	<u>0.72</u>	<u>154</u>	

Comments: Amount purged 10.5 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 1055 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 4.15

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-14</u>	<u>56.6</u>	<u>7.07</u>	<u>0.76</u>	<u>278</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/9/13



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

Monitoring Well I.D.: B-15 Date: 7/10/13 Time Started: 1530 Field Personnel: RC Becken  
 Weather Conditions: sunny warm windy  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 24.11 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 7.41 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 16.7 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.84 FiveWell Volumes (gals.) 14.2

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 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 (NTU's)	Comments
<u>2.84</u>	<u>~2.84</u>	<u>57.0</u>	<u>1.38</u>	<u>13</u>	
	<u>~5.68</u>	<u>55.8</u>	<u>1.30</u>	<u>35</u>	
	<u>~8.52</u>	<u>55.4</u>	<u>1.34</u>	<u>35</u>	
	<u>~11.2</u>	<u>54.5</u>	<u>1.36</u>	<u>65</u>	

Comments: Amount purged 14.5 gal

**Sampling Information**

Date: 7/10/13 Time Sampled: 1550 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 17.52  
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-15</u>	<u>53.4</u>	<u>7.1</u>	<u>1.37</u>	<u>70</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/10/13

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

Monitoring Well I.D.: B-16 Date: 7/9/13 Time Started: 1100 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>25.17</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>9.44</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>15.73</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>2.67</u>	FiveWell Volumes (gals.) <u>13.4</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: <u>NA</u>
Lock Condition:	<u>OK</u>	Repair Required: <u>NA</u>
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: pvc pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.67</u>	<u>~2.67</u>	<u>57.3</u>	<u>1.04</u>	<u>84</u>	
	<u>5.1</u>	<u>56.4</u>	<u>1.04</u>	<u>33</u>	
	<u>~7.15</u>	<u>56.9</u>	<u>1.04</u>	<u>9</u>	
	<u>~10.2</u>	<u>56.5</u>	<u>1.06</u>	<u>4</u>	

Comments: Amount purged 13.5 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 1130 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 9.51

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-16</u>	<u>55.8</u>	<u>7.11</u>	<u>1.06</u>	<u>3</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/9/13

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

Monitoring Well I.D.: B-17 Date: 7/8/13 Time Started: 0830 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>26.01</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>13.21</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>12.8</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.18</u>	Five Well Volumes (gals.) <u>10.88</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 (NTU's)	Comments
<u>2.18</u>	<u>~2</u>	<u>59.6</u>	<u>0.94</u>	<u>178</u>	
	<u>~4</u>	<u>56.3</u>	<u>1.13</u>	<u>302</u>	
	<u>~6</u>	<u>55.7</u>	<u>1.05</u>	<u>219</u>	
	<u>~9</u>				

Comments: Amount purged 11 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 0830 Field Personnel: R C Becken  
 Measured Water Level (TOR ft): 14.15

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-17</u>	<u>55.5</u>	<u>7.07</u>	<u>2.11</u>	<u>119</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/8/13

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

Monitoring Well I.D.: B-18 Date: 7/2/13 Time Started: 0855 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 50.33 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 5.84 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 44.49 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 7.6 FiveWell Volumes (gals.) 37.8

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>7.6</u>	<u>~7.6</u>	<u>56.6</u>	<u>1.15</u>	<u>5</u>	
	<u>~15.2</u>	<u>55.5</u>	<u>1.15</u>	<u>7</u>	
	<u>~22.8</u>	<u>56.0</u>	<u>1.45</u>	<u>5</u>	
	<u>~30.2</u>	<u>55.7</u>	<u>1.51</u>	<u>3</u>	

Comments: Amount purged ~38

**Sampling Information**

Date: 7/2/13 Time Sampled: 1000 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-18</u>	<u>55.4</u>	<u>7.71</u>	<u>1.40</u>	<u>70</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/2/13

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

Monitoring Well I.D.: B-19 Date: 7/8/13 Time Started: 1335 Field Personnel: RC Becken  
 Weather Conditions: sunny hot humid  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 26.11 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 17.00 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 9.11 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 1.55 FiveWell Volumes (gals.) 7.74

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>1.55</u>	<u>~1.5</u>	<u>57.7</u>	<u>1.20</u>	<u>4</u>	
	<u>~3</u>	<u>54.7</u>	<u>1.20</u>	<u>4</u>	
	<u>~4.5</u>	<u>53.7</u>	<u>1.21</u>	<u>3</u>	
	<u>~6.2</u>	<u>54.1</u>	<u>1.29</u>	<u>7</u>	

Comments: Amount purged 8 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 1405 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 18.54  
 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-19</u>	<u>54.6</u>	<u>7.32</u>	<u>1.43</u>	<u>4</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/8/13

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

Monitoring Well I.D.: B-20 Date: 7/15/13 Time Started: 1125 Field Personnel: RC Becken

Weather Conditions: hot sunny

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>49.93</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>7.06</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>42.87</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>7.3</u>	Five Well Volumes (gals.) <u>36.4</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: purged during

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>7.3</u>	<u>~7.3</u>	<u>53.4</u>	<u>1.74</u>	<u>9</u>	<u>Ants in well</u>
	<u>~14.6</u>	<u>53.1</u>	<u>1.87</u>	<u>6</u>	
	<u>~22</u>	<u>53.2</u>	<u>1.85</u>	<u>4</u>	
	<u>~29</u>	<u>53.3</u>	<u>1.86</u>	<u>3</u>	

Comments: Amount purged 37 gals

**Sampling Information**

Date: 7/15/13 Time Sampled: 1200 Field Personnel: RC Becken

Measured Water Level (TOR ft): 20.01

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 (NTUs)	Comments
<u>B-20</u>	<u>53.9</u>	<u>6.77</u>	<u>109</u>	<u>56</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/15/13



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

Monitoring Well I.D.: B-21 Date: 7/11/13 Time Started: 1155 Field Personnel: RC Becken

Weather Conditions: sunny warm

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>26.54</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>8.17</u>	Conversion Factor (gal/lineal ft) <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>18.37</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>3.12</u>	FiveWell Volumes (gals.) <u>15.6</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>3.12</u>	<u>-3.1</u>	<u>58.5</u>	<u>1.14</u>	<u>154</u>	
	<u>~6.2</u>	<u>56.3</u>	<u>1.14</u>	<u>20</u>	
	<u>~9.3</u>	<u>56.1</u>	<u>1.12</u>	<u>140</u>	
	<u>~12.4</u>	<u>55.2</u>	<u>1.14</u>	<u>189</u>	

Comments: Amount purged 16 gal

**Sampling Information**

Date: 7/11/13 Time Sampled: 1225 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 9.98

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-21</u>	<u>55.8</u>	<u>7.06</u>	<u>1.12</u>	<u>102</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/11/13

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

Monitoring Well I.D.: B-22 Date: 7/11/13 Time Started: 1230 Field Personnel: RC Becken

Weather Conditions: sunny warm

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>35.93</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>23.91</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.47</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>12.02</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>2.04</u>	FiveWell Volumes (gals.) <u>12.2</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>2.04</u>	<u>2</u>	<u>58.0</u>	<u>1.17</u>	<u>152</u>	
	<u>4</u>	<u>55.7</u>	<u>1.18</u>	<u>68</u>	
	<u>6</u>	<u>55.5</u>	<u>1.21</u>	<u>26</u>	
	<u>8</u>	<u>55.4</u>	<u>1.21</u>	<u>21</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/11/13 Time Sampled: 1310 Field Personnel: R C Becken

Measured Water Level (TOR ft): 23.93

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-22</u>	<u>55.6</u>	<u>7.15</u>	<u>1.20</u>	<u>29</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/11/13



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

Monitoring Well I.D.: B-23 Date: 7/16/13 Time Started: 0910 Field Personnel: RC Becken  
 Weather Conditions: Sunny hot  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 31.64 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 22.83 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 8.81 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 1.5 Five Well Volumes (gals.) 7.5

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 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>1.5</u>	<u>~1.5</u>	<u>57.5</u>	<u>1.11</u>	<u>289</u>	
	<u>~3</u>	<u>53.8</u>	<u>1.04</u>	<u>282</u>	
	<u>~4.5</u>	<u>54.5</u>	<u>1.01</u>	<u>223</u>	
	<u>~6</u>	<u>53.9</u>	<u>1.00</u>	<u>259</u>	

Comments: 8 gallons purged

**Sampling Information**

Date: 7/16/13 Time Sampled: 0945 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 22.84

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

Sample ID	Temperature (deg C)	pH (S U)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-23</u>	<u>54.0</u>	<u>7.03</u>	<u>1.63</u>	<u>207</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/16/13

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

Monitoring Well I.D.: B-24 Date: 7/16/13 Time Started: 1240 Field Personnel: RC Becken  
Weather Conditions: sunny hot  
Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 28.3 Riser Pipe Diameter (in) 2 in.  
Measured Water Level (TOR - ft) 11.71 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
Calculated Water Column Height (ft) 16.59 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
One Well Volume (gals.) 2.82 Five Well Volumes (gals.) 14.1

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>2.82</u>	<u>~2.8</u>	<u>54.0</u>	<u>1.03</u>	<u>49</u>	
	<u>~5.6</u>	<u>52.7</u>	<u>1.03</u>	<u>32</u>	
	<u>~8.4</u>	<u>52.6</u>	<u>1.02</u>	<u>31</u>	
	<u>~10</u>	<u>52.5</u>	<u>1.04</u>	<u>30</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/16/13 Time Sampled: 1325 Field Personnel: R C Becken  
Measured Water Level (TOR ft): 11.89

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>53.4</u>	<u>7.03</u>	<u>1.04</u>	<u>27</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/16/13

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

Monitoring Well I.D.: B-26 Date: 7/9/13 Time Started: 0840 Field Personnel: RC Becken

Weather Conditions: mercury

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>30.0</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>21.58</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.80
One Well Volume (gals.) <u>3.67</u>	FiveWell Volumes (gals.) <u>18.3</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.67</u>	<u>~3.67</u>	<u>55.4</u>	<u>1.03</u>	<u>4</u>	
	<u>~7.2</u>	<u>54.8</u>	<u>1.00</u>	<u>4</u>	
	<u>~10.9</u>	<u>54.0</u>	<u>1.02</u>	<u>3</u>	
	<u>~14.4</u>	<u>54.4</u>	<u>0.98</u>	<u>6</u>	

Comments: Amount purged 19 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 0910 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 14.58

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-26</u>	<u>55.6</u>	<u>7.54</u>	<u>0.95</u>	<u>39</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/9/13

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

Monitoring Well I.D.: B-28 Date: 7/11/13 Time Started: 1345 Field Personnel: RC Becken  
 Weather Conditions: sunny work  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 34.57 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 24.67 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 9.9 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 1.68 Five Well Volumes (gals.) 8.42

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 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 (NTU's)	Comments
<u>1.68</u>	<u>~1.68</u>	<u>59.8</u>	<u>1.05</u>	<u>1000 &amp;</u>	
	<u>~3.4</u>	<u>56.0</u>	<u>1.03</u>	<u>665</u>	
	<u>~4</u>	<u>55.2</u>	<u>1.07</u>	<u>213</u>	
	<u>~6.8</u>	<u>54.8</u>	<u>1.06</u>	<u>464</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/11/13 Time Sampled: 1345 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 26.35  
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)  
Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-28</u>	<u>55.9</u>	<u>7.07</u>	<u>1.10</u>	<u>232</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/11/13

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

Monitoring Well I.D.: B-29 Date: 7/16/13 Time Started: 0820 Field Personnel: RC Becken  
 Weather Conditions: Sunny Warm  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 38.5 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 26.54 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 11.96 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.03 Five Well Volumes (gals.) 10.2

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>2.03</u>	<u>~2</u>	<u>59.1</u>	<u>7.09</u>	<u>161</u>	
	<u>~4</u>	<u>56.8</u>	<u>1.67</u>	<u>24</u>	
	<u>~6</u>	<u>57.0</u>	<u>1.55</u>	<u>10</u>	
	<u>~8</u>	<u>55.5</u>	<u>1.47</u>	<u>14</u>	

Comments: 10.5 gal purged

**Sampling Information**

Date: 7/16/13 Time Sampled: 0900 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 26.54  
 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-29</u>	<u>54.3</u>	<u>7.01</u>	<u>1.88</u>	<u>165</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/16/13

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

Monitoring Well I.D.: B-31 Date: 7/9/13 Time Started: 915 Field Personnel: RC Becken

Weather Conditions: overcast light rain

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>43.7</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>6.82</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>36.88</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>6.27</u>	Five Well Volumes (gals.) <u>31.3</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.27</u>	<u>~6.27</u>	<u>55.1</u>	<u>0.82</u>	<u>26</u>	
	<u>~13.5</u>	<u>53.4</u>	<u>0.82</u>	<u>9</u>	
	<u>~18.75</u>	<u>53.0</u>	<u>0.82</u>	<u>5</u>	
	<u>~25</u>	<u>53.2</u>	<u>0.81</u>	<u>4</u>	

Comments: Amount purged 32 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 0950 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 7.05

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>6-31</u>	<u>56.3</u>	<u>7.47</u>	<u>0.77</u>	<u>172</u>	

QA/QC Samples Taken: Field Dup<sup>3</sup>

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/9/13



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

Monitoring Well I.D.: B-32 Date: 7/15/13 Time Started: 1445 Field Personnel: RC Becken

Weather Conditions: hot sunny  
Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>40.5</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>32.29</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08    2" = 0.17    3" = 0.38</u>
Calculated Water Column Height (ft) <u>8.21</u>	(Circle One) <u>4" = 0.66    6" = 1.50    8" = 2.60</u>
One Well Volume (gals.) <u>1.4</u>	Five Well Volumes (gals.) <u>7</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>1.4</u>	<u>~1.4</u>	<u>58.7</u>	<u>1.20</u>	<u>121</u>	
	<u>~2.8</u>	<u>54.3</u>	<u>1.17</u>	<u>140</u>	
	<u>~4.2</u>	<u>53.3</u>	<u>1.08</u>	<u>91</u>	
	<u>~5.6</u>	<u>53.0</u>	<u>1.09</u>	<u>103</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/15/13 Time Sampled: 1515 Field Personnel: R C Becken

Measured Water Level (TOR ft): 31.92

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-32</u>	<u>53.6</u>	<u>7.35</u>	<u>1.13</u>	<u>96</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/13

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

Monitoring Well I.D.: B-33 Date: 7/16/13 Time Started: 745 Field Personnel: RC Becken  
 Weather Conditions: Sunny warm  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 31.91 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 21.11 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 10.8 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 1.84 FiveWell Volumes (gals.) 9.2

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>1.84</u>	<u>~1.8</u> <u>~5.6</u> <u>~5.4</u> <u>~7.2</u>	<u>56.6</u>	<u>1.13</u>	<u>358</u>	<u>well dry; obstruction in well at approx. 12.5 ft, bailer will not pass</u>

Comments: ~9 gal purged

**Sampling Information**

Date: 7/16/13 Time Sampled: 1200 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 30.05  
 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-33</u>	<u>55.8</u>	<u>7.13</u>	<u>1.12</u>	<u>4.34</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/16/13



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

Monitoring Well I.D.: B-38 Date: 7/11/13 Time Started: 805 Field Personnel: RC Becken  
 Weather Conditions: sunny clear  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 41.19 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 27.57 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 13.62 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.32 Five Well Volumes (gals.) 11.6

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>2.32</u>	<u>~2.32</u>	<u>55.2</u>	<u>1.19</u>	<u>44</u>	
	<u>~4.64</u>	<u>52.9</u>	<u>1.19</u>	<u>43</u>	
	<u>~6.96</u>	<u>52.4</u>	<u>1.15</u>	<u>55</u>	
	<u>~9.3</u>	<u>52.1</u>	<u>1.14</u>	<u>50</u>	

Comments: Amount purged 12 gal

**Sampling Information**

Date: 7/11/13 Time Sampled: 0845 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 27.81

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-38</u>	<u>53.0</u>	<u>7.08</u>	<u>1.12</u>	<u>37</u>	

QA/QC Samples Taken: Field Dup #6

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/11/13

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

Monitoring Well I.D.: B-39 Date: 7/2/13 Time Started: 1345 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>44.98</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>10.24</u>	Conversion Factor (gal/lineal ft)      1.25" = 0.08      2" = 0.17      3" = 0.38
Calculated Water Column Height (ft) <u>34.74</u>	(Circle One)      4" = 0.66      6" = 1.50      8" = 2.60
One Well Volume (gals.) <u>5.91</u>	Five Well Volumes (gals.) <u>29.5</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.91</u>	<u>~6</u>	<u>54.3</u>	<u>0.88</u>	<u>9</u>	
	<u>~12</u>	<u>54.1</u>	<u>0.79</u>	<u>2</u>	
	<u>~18</u>	<u>55.0</u>	<u>0.80</u>	<u>1</u>	
	<u>~24</u>	<u>55.1</u>	<u>0.79</u>	<u>1</u>	

Comments: Amount purged 30 gal

**Sampling Information**

Date: 7/2/13 Time Sampled: 1415 Field Personnel: RC Becken

Measured Water Level (TOR ft): 10.3

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-39</u>	<u>52.0</u>	<u>7.53</u>	<u>0.88</u>	<u>19</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/2/13

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

Monitoring Well I.D.: B-42 Date: 7/8/13 Time Started: 1100 Field Personnel: RC Becken

Weather Conditions: hot sunny D

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>45.4</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>9.07</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>36.33</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>6.2</u>	Five Well Volumes (gals.) <u>30.9</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: Purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.2</u>	<u>6.2</u>	<u>57.3</u>	<u>0.87</u>	<u>4</u>	
	<u>12.4</u>	<u>57.1</u>	<u>0.82</u>	<u>1</u>	
	<u>18.6</u>	<u>56.6</u>	<u>0.81</u>	<u>1</u>	
	<u>24.8</u>	<u>56.3</u>	<u>0.82</u>	<u>1</u>	

Comments: Amount purged 31 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 1130 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 9.08

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-42</u>	<u>58.3</u>	<u>7.40</u>	<u>0.80</u>	<u>13</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/8/13

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

Monitoring Well I.D.: B-43 Date: 7/8/13 Time Started: 0950 Field Personnel: RC Becken

Weather Conditions: overcast hot, humid

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>58.85</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>11.57</u>	Conversion Factor (gal/lineal ft)      1.25" = 0.08      2" = 0.17      3" = 0.38
Calculated Water Column Height (ft) <u>47.28</u>	(Circle One)      4" = 0.66      6" = 1.50      8" = 2.60
One Well Volume (gals.) <u>8.04</u>	Five Well Volumes (gals.) <u>40.2</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: perist pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8.04</u>	<u>8</u>	<u>57.6</u>	<u>1.84</u>	<u>4</u>	
	<u>16</u>	<u>57.8</u>	<u>1.69</u>	<u>2</u>	
	<u>24</u>	<u>58.3</u>	<u>1.66</u>	<u>7</u>	
	<u>36</u>	<u>57.9</u>	<u>1.66</u>	<u>8</u>	

Comments: Amount purged 41 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 1055 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 42.6

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-43</u>	<u>58.4</u>	<u>7.86</u>	<u>1.57</u>	<u>32</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/8/13

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

Monitoring Well I.D.: B-44 Date: 7/8/13 Time Started: 0905 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 80.42 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 13.9 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 66.52 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 11.31 Five Well Volumes (gals.) 56.5

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>11.31</u>	<u>~11.3</u>	<u>58.5</u>	<u>2.68</u>	<u>46</u>	
	<u>~22.6</u>	<u>57.6</u>	<u>2.86</u>	<u>60</u>	<u>well dry</u>

Comments: Amount purged 23.5 gal

**Sampling Information**

Date: 7/8/13 Time Sampled: 1030 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 71.85  
 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-44</u>	<u>57.1</u>	<u>7.29</u>	<u>2.75</u>	<u>37</u>	

QA/QC Samples Taken: Field Dup #2

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/8/13

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

Monitoring Well I.D.: B-45 Date: 7/15/13 Time Started: 1350 Field Personnel: RC Becken  
Weather Conditions: hot sunny  
Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 24.81 Riser Pipe Diameter (in) 2 in.  
Measured Water Level (TOR - ft) 19.93 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
Calculated Water Column Height (ft) 4.88 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
One Well Volume (gals.) 0.83 Five Well Volumes (gals.) 4.1

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 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 (NTU's)	Comments
<u>0.83</u>	<u>~0.8</u>	<u>57.5</u>	<u>1.43</u>	<u>1000+</u>	
	<u>~1.2</u>	<u>53.9</u>	<u>1.44</u>	<u>1000+</u>	<u>well dry</u>

Comments: Amount purged 21.76

**Sampling Information**

Date: 7/15/13 Time Sampled: 1435 Field Personnel: R C Becken

Measured Water Level (TOR ft.):

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-45</u>	<u>53.3</u>	<u>7.53</u>	<u>1.50</u>	<u>1000+</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/15/13



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

Monitoring Well I.D.: B-46 Date: 7/15/13 Time Started: 1400 Field Personnel: RC Becken

Weather Conditions: hot sunny

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>39.91</u>	Riser Pipe Diameter (in) <u>2 in.</u>		
Measured Water Level (TOR - ft) <u>21.31</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>18.6</u>	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>3.16</u>	Five Well Volumes (gals.) <u>15.81</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: DURAR DURAR

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
<u>3.16</u>	<u>~3.2</u>	<u>55.6</u>	<u>1.07</u>	<u>18</u>	
	<u>~6.4</u>	<u>56.1</u>	<u>1.03</u>	<u>5</u>	
	<u>~9.6</u>	<u>55.1</u>	<u>0.98</u>	<u>3</u>	
	<u>~12.8</u>	<u>55.0</u>	<u>1.00</u>	<u>2</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/15/13 Time Sampled: 1430 Field Personnel: R C Becken

Measured Water Level (TOR ft): 21.3

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 (NTU/s)	Comments
<u>B-46</u>	<u>55.0</u>	<u>7.86</u>	<u>1.19</u>	<u>28</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/13

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

Monitoring Well I.D.: B-48 Date: 7/9/13 Time Started: 1415 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>46.89</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>1.13</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>35.76</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>6.08</u>	Five Well Volumes (gals.) <u>30.3</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: <u>purge pump</u>					
Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.08</u>	<u>6</u>	<u>54.2</u>	<u>1.00</u>	<u>21</u>	
	<u>12</u>	<u>53.3</u>	<u>0.90</u>	<u>5</u>	
	<u>18</u>	<u>52.9</u>	<u>0.90</u>	<u>4</u>	
	<u>24</u>	<u>53.0</u>	<u>0.90</u>	<u>4</u>	

Comments: Amount purged 31 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 1445 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 11.22

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

Teflon Bailor <u>Polyethylene Bailor</u> Other:					
Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-48</u>	<u>54.2</u>	<u>7.33</u>	<u>0.88</u>	<u>26</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/9/13



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

Monitoring Well I.D.: B-49 Date: 7/9/13 Time Started: 1310 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>72.56</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>22.12</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
Calculated Water Column Height (ft) <u>60.44</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>10.3</u>	Five Well Volumes (gals.) <u>51.4</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>10.3</u>	<u>10.3</u>	<u>55.2</u>	<u>2.82</u>	<u>11</u>	
	<u>20.6</u>	<u>56.1</u>	<u>2.94</u>	<u>1</u>	
	<u>30.9</u>	<u>56.0</u>	<u>2.97</u>	<u>2</u>	
	<u>41.2</u>	<u>55.2</u>	<u>2.94</u>	<u>1</u>	

Comments: Amount purged 52 gal

**Sampling Information**

Date: 7/9/13 Time Sampled: 1415 Field Personnel: R C Becken  
 Measured Water Level (TOR ft): 31.05

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-49</u>	<u>55.2</u>	<u>7.0</u>	<u>2.75</u>	<u>76</u>	

QA/QC Samples Taken: MS MSD

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/9/13

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

Monitoring Well I.D.: B-50 Date: 7/15/13 Time Started: 1300 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>35.8</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>7.14</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.47</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>28.66</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>4.87</u>	Five Well Volumes (gals.) <u>24.4</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: <u>cracked</u>

Other:

**Purge Information**

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>4.87</u>	<u>~5</u>	<u>55.3</u>	<u>0.78</u>	<u>45</u>	
	<u>~10</u>	<u>53.6</u>	<u>0.79</u>	<u>4</u>	
	<u>~15</u>	<u>53.2</u>	<u>0.76</u>	<u>6</u>	
	<u>~20</u>	<u>53.0</u>	<u>0.76</u>	<u>5</u>	

Comments: Amount purged 25 gal

**Sampling Information**

Date: 7/15/13 Time Sampled: 1340 Field Personnel: R C Becken

Measured Water Level (TOR ft): 7.16

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-50</u>	<u>57.8</u>	<u>7.40</u>	<u>0.79</u>	<u>33</u>	

QA/QC Samples Taken: MS + MSD

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/15/13

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

Monitoring Well I.D.: B-52 Date: 7/15/13 Time Started: 0830 Field Personnel: RC Becken

Weather Conditions: Sunny 62°

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>22.41</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>7.01</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>15.4</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>2.62</u>	Five Well Volumes (gals.) <u>13.09</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.62</u>	<u>~2.5</u>	<u>55.2</u>	<u>1.09</u>	<u>325</u>	
	<u>~5</u>	<u>54.7</u>	<u>1.06</u>	<u>126</u>	
	<u>~7.5</u>	<u>53.3</u>	<u>1.05</u>	<u>84</u>	
	<u>~10</u>	<u>54.1</u>	<u>1.03</u>	<u>36</u>	

Comments: Amount purged 14 gal

**Sampling Information**

Date: 7/15/13 Time Sampled: 0900 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 7.05

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-52</u>	<u>56.4</u>	<u>7.39</u>	<u>1.05</u>	<u>1000 ±</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/13

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

Monitoring Well I.D.: B-53 Date: 7/15/13 Time Started: 0900 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>37.27</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>6.92</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.47</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>30.39</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>5.17</u>	Five Well Volumes (gals.) <u>26.8</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 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>5.17</u>	<u>5.2</u>	<u>54.1</u>	<u>1.03</u>	<u>289</u>	
	<u>14.4</u>	<u>52.5</u>	<u>1.0</u>	<u>6</u>	
	<u>15.6</u>	<u>52.2</u>	<u>0.96</u>	<u>3</u>	
	<u>20.8</u>	<u>52.4</u>	<u>0.96</u>	<u>2</u>	

Comments: Amount purged 2 gal

**Sampling Information**

Date: 7/15/13 Time Sampled: 0945 Field Personnel: R C Becken

Measured Water Level (TOR ft): 6.94

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-53</u>	<u>56.5</u>	<u>6.71</u>	<u>0.92</u>	<u>28</u>	

QA/QC Samples Taken: Field Dup #7

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/15/13

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

Monitoring Well I.D.: B-55 Date: 7/15/13 Time Started: 1005 Field Personnel: RC Becken  
 Weather Conditions: sunny extremely hot  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 84.92 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 22.71 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 62.21 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 10.58 Five Well Volumes (gals.) 52.9

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: Purp pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>10.58</u>	<u>~10.5</u>	<u>58.5</u>	<u>3.72</u>	<u>40</u>	<u>Ants in well</u>
	<u>~20.6</u>	<u>56.1</u>	<u>3.65</u>	<u>53</u>	<u>well dry</u>

Comments: Amount purged ~20.6 gal

**Sampling Information**

Date: 7/15/13 Time Sampled: 1215 Field Personnel: RC Becken  
 Measured Water Level (TOR ft.): 75.65

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-55</u>	<u>53.7</u>	<u>7.34</u>	<u>3.67</u>	<u>21</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/15/13

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

Monitoring Well I.D.: 6.56 Date: 7/16/13 Time Started: 1050 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 39.61 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 22.89 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 16.72 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 2.84 FiveWell Volumes (gals.) 14.2

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 fluid

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.84</u>	<u>~2.84</u>	<u>54.3</u>	<u>1.33</u>	<u>79</u>	
	<u>~5.5</u>	<u>53.6</u>	<u>0.98</u>	<u>13</u>	
	<u>~8.3</u>	<u>53.5</u>	<u>0.90</u>	<u>14</u>	
	<u>~12.0</u>	<u>53.4</u>	<u>0.88</u>	<u>6</u>	

Comments: 15 gal purged

**Sampling Information**

Date: 7/16/13 Time Sampled: 1130 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 22.91

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>54.9</u>	<u>7.88</u>	<u>1.38</u>	<u>74</u>	

QA/QC Samples Taken: MS + MSD

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/16/13



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

Monitoring Well I.D.: B-57 Date: 7/16/13 Time Started: 0950 Field Personnel: RC Becken  
 Weather Conditions: SUNNY HOT  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 50.54 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 25.15 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 25.39 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 4.32 Five Well Volumes (gals.) 21.6

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>4.32</u>	<u>~4.5</u>	<u>58.0</u>	<u>2.35</u>	<u>21</u>	
	<u>~9</u>	<u>54.1</u>	<u>2.34</u>	<u>132</u>	
	<u>~10.5</u>	<u>53.4</u>	<u>2.25</u>	<u>108</u>	<u>well dry</u>

Comments: purged ~10.5 gal

**Sampling Information**

Date: 7/16/13 Time Sampled: 1145 Field Personnel: RC Becken  
 Measured Water Level (TOR ft.): 40.48

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-57</u>	<u>52.9</u>	<u>7.07</u>	<u>2.16</u>	<u>13</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/16/13

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

Monitoring Well I.D.: B-58 Date: 7/16/13 Time Started: 1135 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 63.67 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 22.02 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 41.65 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 7.08 Five Well Volumes (gals.) 35.4

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: Pump Down

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>7.08</u>	<u>~7</u>	<u>56.1</u>	<u>1.49</u>	<u>9</u>	
	<u>~14</u>	<u>55.5</u>	<u>1.46</u>	<u>3</u>	
	<u>~21</u>	<u>55.0</u>	<u>1.51</u>	<u>2</u>	
	<u>~28</u>	<u>54.9</u>	<u>1.50</u>	<u>14</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/16/13 Time Sampled: 1230 Field Personnel: R C Becken

Measured Water Level (TOR ft): 26.83

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 (NTUs)	Comments
<u>B-58</u>	<u>55.0</u>	<u>7.66</u>	<u>1.42</u>	<u>42</u>	

QA/QC Samples Taken: Field Dup #8

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/16/13



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

Monitoring Well I.D.: B-59 Date: 7/10/13 Time Started: 1255 Field Personnel: RC Becken  
 Weather Conditions: recast wind  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 69.0 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 26.36 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 48.64 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 8.27 FiveWell Volumes (gals.) 41.3  
 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>8.27</u>	<u>8.3</u>	<u>58.4</u>	<u>1.39</u>	<u>93</u>	
	<u>16.6</u>	<u>55.5</u>	<u>2.10</u>	<u>4</u>	
	<u>25</u>	<u>55.6</u>	<u>2.3</u>	<u>3</u>	
	<u>32.2</u>	<u>55.5</u>	<u>2.39</u>	<u>3</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/10/13 Time Sampled: 1355 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 22.48

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-59</u>	<u>56.3</u>	<u>7.25</u>	<u>1.57</u>	<u>78</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/10/13

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

Monitoring Well I.D.: B-60 Date: 7/10/13 Time Started: 1420 Field Personnel: RC Becken  
 Weather Conditions: Sunny windy  
 Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 55.05 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 11.42 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 43.63 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 7.42 FiveWell Volumes (gals.) 37.0

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>7.42</u>	<u>~7.5</u>	<u>56.5</u>	<u>1.99</u>	<u>8</u>	
	<u>~15</u>	<u>56.3</u>	<u>1.03</u>	<u>3</u>	
	<u>~22</u>	<u>56.2</u>	<u>1.77</u>	<u>3</u>	
	<u>~30</u>	<u>56.0</u>	<u>1.62</u>	<u>2</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/10/13 Time Sampled: 1450 Field Personnel: RC Becken  
 Measured Water Level (TOR ft.): 70.25  
 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-60</u>	<u>56.7</u>	<u>7.66</u>	<u>1.16</u>	<u>62</u>	

QA/QC Samples Taken: MS+MSD

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/10/13

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

Monitoring Well I.D.: B-61 Date: 7/10/13 Time Started: 1455 Field Personnel: RC Becken

Weather Conditions: sunny windy

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>29.54</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>10.54</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
Calculated Water Column Height (ft) <u>19.01</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.80
One Well Volume (gals.) <u>3.23</u>	Five Well Volumes (gals.) <u>16.2</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.23</u>	<u>3.23</u>	<u>55.0</u>	<u>0.98</u>	<u>7</u>	
	<u>6.46</u>	<u>53.9</u>	<u>0.87</u>	<u>3</u>	
	<u>9.69</u>	<u>52.9</u>	<u>0.85</u>	<u>3</u>	
	<u>12.92</u>	<u>52.7</u>	<u>0.85</u>	<u>2</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/10/13 Time Sampled: 1525 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 10.87

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-61</u>	<u>56.3</u>	<u>7.4</u>	<u>0.86</u>	<u>26</u>	<u>Ants in well</u>

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/10/13

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

Monitoring Well I.D.: B-62 Date: 7/10/13 Time Started: 0820 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>91.4</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>2.7</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>88.7</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>15.1</u>	Five Well Volumes (gals.) <u>75.4</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)

	Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
	<u>15.1</u>	<u>~15.1</u>	<u>54.4</u>	<u>3.08</u>	<u>5</u>	
		<u>~30</u>	<u>54.1</u>	<u>3.09</u>	<u>3</u>	
		<u>~45</u>	<u>54.3</u>	<u>3.08</u>	<u>2</u>	
		<u>~60</u>	<u>54.0</u>	<u>3.08</u>	<u>3</u>	

Comments: Amount purged 76 gal

**Sampling Information**

Date: 7/10/13 Time Sampled: 0925 Field Personnel: R C Becken

Measured Water Level (TOR ft): 2.76

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

	Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
	<u>B-62</u>	<u>62.3</u>	<u>7.06</u>	<u>2.76</u>	<u>60</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/10/13

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

Monitoring Well I.D.: B-63 Date: 7/10/13 Time Started: 0930 Field Personnel: RC Becken

Weather Conditions: overcast windy

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>27.21</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>8.99</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>18.22</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>3.1</u>	FiveWell Volumes (gals.) <u>15.5</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.1</u>	<u>~3.1</u>	<u>58.0</u>	<u>2.08</u>	<u>64</u>	
	<u>~6.2</u>	<u>56.0</u>	<u>2.02</u>	<u>69</u>	
	<u>~9.3</u>	<u>55.4</u>	<u>2.01</u>	<u>8</u>	
	<u>~12.4</u>	<u>53.5</u>	<u>2.02</u>	<u>3</u>	

Comments: Amount purged 11.2 gal

**Sampling Information**

Date: 7/10/13 Time Sampled: 1000 Field Personnel: R C Becken

Measured Water Level (TOR ft): 9.49

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-63</u>	<u>35.3</u>	<u>6.99</u>	<u>1.99</u>	<u>147</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/10/13



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

Monitoring Well I.D.: B-64 Date: 7/10/13 Time Started: 1010 Field Personnel: RC Becken

Weather Conditions: overcast windy

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) 42.37 Riser Pipe Diameter (in) 2 in.  
 Measured Water Level (TOR - ft) 9.08 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38  
 Calculated Water Column Height (ft) 33.29 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) 5.66 FiveWell Volumes (gals.) 28.3

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>5.66</u>	<u>5.7</u>	<u>57.5</u>	<u>0.85</u>	<u>9</u>	
	<u>11.4</u>	<u>54.6</u>	<u>0.78</u>	<u>3</u>	
	<u>17.1</u>	<u>54.4</u>	<u>0.78</u>	<u>2</u>	
	<u>22.8</u>	<u>53.8</u>	<u>0.79</u>	<u>2</u>	

Comments: Amount purged 28.5 gal

**Sampling Information**

Date: 7/10/13 Time Sampled: 1045 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 9.04

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-64</u>	<u>58.4</u>	<u>7.13</u>	<u>1.04</u>	<u>27</u>	

QA/QC Samples Taken: Field Dup #4

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/10/13

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

Monitoring Well I.D.: B-65 Date: 7/10/13 Time Started: 1050 Field Personnel: RC Becken

Weather Conditions: sunny/clouds windy

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>57.2</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>10.56</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>46.64</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>7.93</u>	FiveWell Volumes (gals.) <u>39.6</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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>7.93</u>	<u>~8</u>	<u>57.6</u>	<u>1.79</u>	<u>3</u>	
	<u>~16</u>	<u>56.1</u>	<u>2.40</u>	<u>1</u>	
	<u>~24</u>	<u>56.1</u>	<u>2.43</u>	<u>1</u>	
	<u>~32</u>	<u>55.8</u>	<u>2.43</u>	<u>1</u>	

Comments: Amount purged 40 gal

**Sampling Information**

Date: 7/10/13 Time Sampled: 1135 Field Personnel: R C Becken

Measured Water Level (TOR ft): 15.02

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-65</u>	<u>56.6</u>	<u>7.39</u>	<u>2.08</u>	<u>23</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Rich C Becken Date: 7/10/13

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

Monitoring Well I.D.: B-66 Date: 7/10/13 Time Started: 1140 Field Personnel: RC Becken

Weather Conditions: overcast windy

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>41.19</u>	Riser Pipe Diameter (in) <u>2 in.</u>		
Measured Water Level (TOR - ft) <u>16.29</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17    3" = 0.38
Calculated Water Column Height (ft) <u>30.9</u>	(Circle One)	4" = 0.66	6" = 1.50    8" = 2.60
One Well Volume (gals.) <u>5.25</u>	FiveWell Volumes (gals.) <u>26.3</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: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.25</u>	<u>~5.25</u>	<u>56.8</u>	<u>0.82</u>	<u>4</u>	
	<u>~10.5</u>	<u>54.1</u>	<u>0.73</u>	<u>2</u>	
	<u>~15.75</u>	<u>54.0</u>	<u>0.74</u>	<u>1</u>	
	<u>~20.0</u>	<u>53.7</u>	<u>0.73</u>	<u>1</u>	

Comments: Amount purged 27 gal

**Sampling Information**

Date: 7/10/13 Time Sampled: 1215 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 10.32

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-66</u>	<u>56.3</u>	<u>9.4</u>	<u>0.75</u>	<u>14</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/10/13



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

Monitoring Well I.D.: B-67 Date: 7/10/13 Time Started: 1225 Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft) <u>24.71</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>10.03</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>14.74</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.5</u>	Five Well Volumes (gals.) <u>12.5</u>

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 Bailer Peristaltic Pump Sample Port (Pumping Wells Only)

Teflon Bailer Polyethylene Bailer Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.5</u>	<u>2.5</u>	<u>57.0</u>	<u>1.57</u>	<u>291</u>	
	<u>5</u>	<u>55.3</u>	<u>1.55</u>	<u>29</u>	
	<u>7.5</u>	<u>55.5</u>	<u>1.54</u>	<u>12</u>	
	<u>10</u>	<u>55.2</u>	<u>1.55</u>	<u>13</u>	

Comments: Amount purged

**Sampling Information**

Date: 7/10/13 Time Sampled: 1250 Field Personnel: R C Becken

Measured Water Level (TOR ft): 10.22

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

Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-67</u>	<u>56.4</u>	<u>7.3</u>	<u>1.55</u>	<u>134</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/10/13

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

Monitoring Well I.D.: P-2 Date: 7/11/13 Time Started: 0910 Field Personnel: RC Becken  
 Weather Conditions: sunny warm  
 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" = 0.088  
 Calculated Water Column Height (ft) (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60  
 One Well Volume (gals.) FiveWell 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: 7/11/13 Time Sampled: 0910 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 19.96  
 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-2</u>	<u>59.1</u>	<u>7.05</u>	<u>1.14</u>	<u>2</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/11/13

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

Monitoring Well I.D.: P-3 Date: 7/8/13 Time Started: 1205 Field Personnel: RC Becken

Weather Conditions: sunny hot humid

Comments:

**Initial Readings**

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) <u>8.2</u> 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:	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: 7/8/13 Time Sampled: 1205 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 27.55

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>55.1</u>	<u>7.47</u>	<u>1.44</u>	<u>66</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): <u>Richard C. Becken</u>	Sampler (signature): <u>Richard C Becken</u>	Date: <u>7/8/13</u>
---	--	---------------------

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

Monitoring Well I.D.: 2-4 Date: 7/9/13 Time Started: 1300 Field Personnel: RC Becken

Weather Conditions: overcast

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.)	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 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 (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 7/9/13 Time Sampled: 1300 Field Personnel: R C Becken

Measured Water Level (TOR ft): 28.4

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

Teflon Bailer      Polyethylene Bailer      Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2-4</u>	<u>55.2</u>	<u>7.09</u>	<u>0.98</u>	<u>5</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/9/13

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

Monitoring Well I.D.: PW-1 Date: 7/8/13 Time Started: 1015 Field Personnel: RC Becken  
 Weather Conditions: not humid  
 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:	<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 (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 7/8/13 Time Sampled: 1015 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 17.6

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-1</u>	<u>58.7</u>	<u>7.71</u>	<u>0.78</u>	<u>1</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/8/13

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

Monitoring Well I.D.: PW-3 Date: 7/2/13 Time Started: 0920 Field Personnel: RC Becken  
 Weather Conditions: overcast  
 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	<u>6" = 1.50</u>	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 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 (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 7/2/13 Time Sampled: 0920 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 14.62

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-3</u>	<u>58.9</u>	<u>6.88</u>	<u>0.89</u>	<u>33</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/2/13



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

Monitoring Well I.D.: PW-4 Date: 7/11/13 Time Started: 0855 Field Personnel: RC Becken  
 Weather Conditions: Sunny warm  
 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	<u>6" = 1.50</u>	8" = 2.60
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: 7/11/13 Time Sampled: 855 Field Personnel: R C Becken  
 Measured Water Level (TOR ft.): 6.74

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-4</u>	<u>66.7</u>	<u>7.82</u>	<u>0.52</u>	<u>9</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/11/13

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

Monitoring Well I.D.: 1002 Date: 7/11/13 Time Started: 1126 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" = 2.80
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 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 (NTU's)	Comments

Comments: Amount purged

**Sampling Information**

Date: 7/11/13 Time Sampled: 1130 Field Personnel: R C Becken

Measured Water Level (TOR ft):

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

   Teflon Bailer      Polyethylene Bailer      Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1002</u>	<u>74.1</u>	<u>7.56</u>	<u>1.39</u>	<u>24</u>	

QA/QC Samples Taken:

Comments:

**Signature**

Sampler (Print):      Richard C. Becken      Sampler (signature): [Signature]      Date: 7/11/13



**APPENDIX B**

**LABORATORY DATA REPORTS**

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 05, 2013

Project: BP Sanborn

Submittal Date: 07/03/2013

Group Number: 1401712

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionLancaster Labs (LL) #

B-8 Water	7117030
PW-3 Water	7117031
B-18 Water	7117032
Field Dup #1 Water	7117033
B-9 Water	7117034
B-10 Water	7117035
B-11 Water	7117036
B-41 Water	7117037
B-41 Matrix Spike Water	7117038
B-41 Matrix Spike Dup Water	7117039
B-40 Water	7117040
B-39 Water	7117041

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

ELECTRONIC Parsons

Attn: George Hermance

COPY TO

ELECTRONIC Parsons

Attn: Lorraine Weber

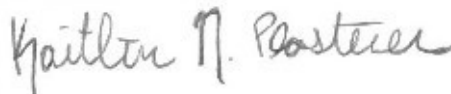
COPY TO

ELECTRONIC Parsons

Attn: Eric Felter

COPY TO

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

---

Project Name: BP Sanborn  
LLI Group #: 1401712

**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.

**Analysis Specific Comments:**

No additional comments are necessary.

Sample Description: B-8 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117030  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 08:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd

Houston TX 77079

B8---

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.	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	770	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	21,000	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	18 J	10	50	10

## 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.

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

Sample Description: B-8 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117030  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 08:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B8---

## 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	E131851AA	07/04/2013 16:55	Jason M Long	10
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	E131851AA	07/04/2013 17:15	Jason M Long	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 16:55	Jason M Long	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E131851AA	07/04/2013 17:15	Jason M Long	100

Sample Description: PW-3 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117031  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 09:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

PW3--

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	120	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	5.1	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	410	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	2.7 J	1.0	5.0	1

## 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.

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



Sample Description: PW-3 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117031  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 09:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

PW3--

## 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	E131851AA	07/04/2013 17:36	Jason M Long	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	E131851AA	07/04/2013 17:56	Jason M Long	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 17:36	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	E131851AA	07/04/2013 17:56	Jason M Long	10

Sample Description: B-18 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117032  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B18--

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	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	29	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	1.7 J	1.0	5.0	1

## 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.

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

Sample Description: B-18 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117032  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B18--

## 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	E131851AA	07/04/2013 18:16	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 18:16	Jason M Long	1

Sample Description: Field Dup #1 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117033  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

DUP1-

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	3.2 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	2.0 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	26	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

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 #1 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117033  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

DUP1-

## 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	E131851AA	07/04/2013 18:37	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 18:37	Jason M Long	1

Sample Description: B-9 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117034  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

-B9--

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	3.2 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

## 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.

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

Sample Description: B-9 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117034  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

-B9--

## 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	E131851AA	07/04/2013 18:57	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 18:57	Jason M Long	1



Sample Description: B-10 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117035  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B10--

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	3.2 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	2.1 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	28	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

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-10 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117035  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B10--

## 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	E131851AA	07/04/2013 19:18	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 19:18	Jason M Long	1

Sample Description: B-11 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117036  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B11--

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	4.3 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	4.4 J	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	81	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

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-11 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117036  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B11--

## 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	E131851AA	07/04/2013 19:38	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 19:38	Jason M Long	1

**Sample Description: B-41 Water**  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117037  
LL Group # 1401712  
Account # 12495

**Project Name: BP Sanborn**

Collected: 07/02/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd

Houston TX 77079

B41--

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	5.7	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

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-41 Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117037  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B41--

## 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	E131851AA	07/04/2013 14:11	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 14:11	Jason M Long	1

Sample Description: B-41 Matrix Spike Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117038  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B41--

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	17	1.0	5.0	1
10335	Bromobenzene	108-86-1	20	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10335	Bromoform	75-25-2	19	1.0	5.0	1
10335	Bromomethane	74-83-9	20	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	0.80	5.0	1
10335	Chloroethane	75-00-3	21	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	19	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	21	0.80	5.0	1
10335	Chloromethane	74-87-3	19	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	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	19	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	20	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	22	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	22	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	20	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10335	Methylene Chloride	75-09-2	21	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	22	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	21	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	19	0.80	5.0	1
10335	Trichloroethene	79-01-6	22	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	21	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	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

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-41 Matrix Spike Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117038  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B41--

## 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	E131851AA	07/04/2013 14:32	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 14:32	Jason M Long	1

Sample Description: B-41 Matrix Spike Dup Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117039  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B41--

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	18	1.0	5.0	1
10335	Bromobenzene	108-86-1	20	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10335	Bromoform	75-25-2	20	1.0	5.0	1
10335	Bromomethane	74-83-9	21	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10335	Chlorobenzene	108-90-7	22	0.80	5.0	1
10335	Chloroethane	75-00-3	21	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	20	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	19	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10335	Dibromomethane	74-95-3	21	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	21	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	20	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	22	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	23	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	23	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	22	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	20	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	20	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10335	Trichloroethene	79-01-6	24	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	22	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	21	1.0	5.0	1

## 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.

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

Sample Description: B-41 Matrix Spike Dup Water  
BP Sanborn COC: 192462  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117039  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B41--

## 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	E131851AA	07/04/2013 14:52	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 14:52	Jason M Long	1

Sample Description: B-40 Water  
BP Sanborn COC: 192474  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117040  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B40--

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	2.6 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	2.6 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

## 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.

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

Sample Description: B-40 Water  
BP Sanborn COC: 192474  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117040  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B40--

## 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	E131851AA	07/04/2013 20:19	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 20:19	Jason M Long	1

Sample Description: B-39 Water  
BP Sanborn COC: 192474  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117041  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B39--

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	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	6.8	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

## 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.

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

Sample Description: B-39 Water  
BP Sanborn COC: 192474  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7117041  
LL Group # 1401712  
Account # 12495

Project Name: BP Sanborn

Collected: 07/02/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/03/2013 09:25

BP Corporation

Reported: 07/05/2013 21:21

501 WestLake Park Blvd  
Houston TX 77079

B39--

## 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	E131851AA	07/04/2013 20:40	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	E131851AA	07/04/2013 20:40	Jason M Long	1



## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/05/13 at 09:21 PM

Group Number: 1401712

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: E131851AA	Sample number(s): 7117030-7117041								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	92	90	49-120	2	30
Bromobenzene	N.D.	1.0	5.0	ug/l	100	98	80-120	2	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	98	98	73-120	0	30
Bromoform	N.D.	1.0	5.0	ug/l	100	97	61-120	3	30
Bromomethane	N.D.	1.0	5.0	ug/l	98	98	51-120	1	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103	102	65-137	1	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	104	103	80-120	1	30
Chloroethane	N.D.	1.0	5.0	ug/l	99	96	60-120	3	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	100	98	52-127	2	30
Chloroform	N.D.	0.80	5.0	ug/l	101	100	77-122	1	30
Chloromethane	N.D.	1.0	5.0	ug/l	90	95	54-123	5	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	99	100	72-120	1	30
Dibromomethane	N.D.	1.0	5.0	ug/l	97	99	80-120	2	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	107	102	80-120	4	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	101	80-120	3	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	105	101	80-120	4	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	97	94	35-122	3	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	104	100	79-120	4	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	104	100	64-130	4	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	104	104	76-124	0	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101	100	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	105	103	80-120	2	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	104	103	80-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	103	100	78-120	3	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97	95	66-124	2	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	103	103	84-118	0	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	103	102	79-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	107	103	70-129	4	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	103	100	79-120	2	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	99	98	66-126	0	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104	101	80-120	3	30
Trichloroethene	N.D.	1.0	5.0	ug/l	102	103	80-120	2	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	100	98	65-130	2	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103	105	76-120	1	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	100	97	63-120	2	30

## 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

\*- 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: 07/05/13 at 09:21 PM

Group Number: 1401712

<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>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 RPD</u> <u>Max</u>
Batch number: E131851AA	Sample number(s): 7117030-7117041 UNSPK: 7117037								
Benzyl Chloride	84	89	42-131	5	30				
Bromobenzene	100	102	82-115	3	30				
Bromodichloromethane	98	102	78-125	4	30				
Bromoform	93	99	48-118	6	30				
Bromomethane	101	105	47-129	3	30				
Carbon Tetrachloride	109	114	72-135	4	30				
Chlorobenzene	103	109	87-124	6	30				
Chloroethane	104	105	51-145	1	30				
2-Chloroethyl Vinyl Ether	95	100	10-151	5	30				
Chloroform	105	110	81-134	5	30				
Chloromethane	95	97	46-137	2	30				
Dibromochloromethane	96	102	74-116	6	30				
Dibromomethane	97	103	83-119	6	30				
1,2-Dichlorobenzene	100	106	84-119	6	30				
1,3-Dichlorobenzene	100	106	86-121	6	30				
1,4-Dichlorobenzene	100	105	85-121	5	30				
Dichlorodifluoromethane	96	99	52-129	3	30				
1,1-Dichloroethane	104	107	84-129	3	30				
1,2-Dichloroethane	102	108	68-131	6	30				
1,1-Dichloroethene	112	114	75-155	2	30				
cis-1,2-Dichloroethene	101	106	80-141	4	30				
trans-1,2-Dichloroethene	111	115	81-142	4	30				
1,2-Dichloropropene	105	110	83-124	4	30				
cis-1,3-Dichloropropene	102	106	70-116	4	30				
trans-1,3-Dichloropropene	94	101	74-119	7	30				
Methylene Chloride	105	109	78-133	4	30				
1,1,1,2-Tetrachloroethane	99	106	74-136	7	30				
1,1,2,2-Tetrachloroethane	96	102	72-128	6	30				
Tetrachloroethene	109	115	80-128	6	30				
1,1,1-Trichloroethane	105	108	69-140	3	30				
1,1,2-Trichloroethane	97	108	71-141	10	30				
Trichloroethene	112	118	88-133	5	30				
Trichlorofluoromethane	106	110	64-146	4	30				
1,2,3-Trichloropropane	94	98	76-118	4	30				
Vinyl Chloride	104	107	66-133	3	30				

**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: E131851AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7117030	100	102	99	97
7117031	101	103	99	97
7117032	99	102	100	97
7117033	102	103	98	98
7117034	101	102	98	98
7117035	101	103	100	98

\*- 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: 1401712

Reported: 07/05/13 at 09:21 PM

### Surrogate Quality Control

7117036	101	105	100	98
7117037	102	102	100	97
7117038	102	105	99	100
7117039	101	100	100	100
7117040	102	105	99	96
7117041	103	105	98	97
Blank	98	101	99	98
LCS	100	99	100	100
LCSD	102	101	100	100
MS	102	105	99	100
MSD	101	100	100	100

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.

BP/ARC Project Name: BP, Sanborn, NY  
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>Kathleen Plasterer</u>	Lead Regulatory Agency: <u>NYS DEC</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>D0084-0004</u>	Phone: <u>(716) 457-4990</u>
Lab Bottle Order No: <u>141514</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>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												Comments	
	B-8	7/2/13	0850				3																	Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
	PW-3		0920				3																		
	B-18		1000				3																		
	Field Dup #1						3																		
	B-9		1030				3																		
	B-10		1105				3																		
	B-11		1140				3																		
	B-41		1300				3																		
	B-41 MS		1300				3																		
	B-41 MSD		1300				3																		

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken</u>	Date: <u>7/2/13</u>	Time: <u>1500</u>	Accepted By / Affiliation: <u>Bruceley Barclay</u>	Date: <u>7-3-13</u>	Time: <u>925</u>
Sampler's Company: <u>OWL Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>7/2/13</u>					
Shipment Tracking No: <u>801301773512</u>						

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Temp Blank <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Cooler Temp on Receipt: <u>3.2</u> °FC	Trip Blank <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	MS/MSD Sample Submitted <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No
---	---	--	---	--

## Page 2 of 2

**Rush TAT:** Yes No ☒

**Lab Work Order Number:**

MS/MSD Sample Submitted: Yes ☒ No ☐

G-1401712  
Environmental Sample Administration  
Receipt Documentation LogClient/Project: ParsonsShipping Container Sealed: YES NODate of Receipt: 7.3.13Custody 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	D4121	3.2	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#:

Branchy Barclay 2299

Date/Time:

7.3.1311:17

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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 12, 2013

Project: BP Sanborn

Submittal Date: 07/09/2013

Group Number: 1402575

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
B-13 Water	7120723
B-13 MS Water	7120724
B-13 MSD Water	7120725
P-3 Water	7120726
B-3 Water	7120727
B-42 Water	7120728
B-43 Water	7120729
Field Dup #2 Water	7120730
PW-1 Water	7120731
B-17 Water	7120732
B-44 Water	7120733
B-19 Water	7120734
B-4 Water	7120735

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  
ELECTRONIC     Parsons  
COPY TO  
ELECTRONIC     Parsons  
COPY TO

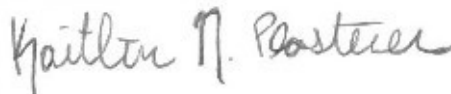
Attn: George Hermance

Attn: Lorraine Weber

Attn: Eric Felter

Attn: Doug Taylor

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

---

Project Name: BP Sanborn  
LLI Group #: 1402575

**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.

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

Batch #: Y131922AA (Sample number(s): 7120723-7120735 UNSPK: 7120723)

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

Sample Description: B-13 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120723  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB13

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	26	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	5.2	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	460	8.0	50	10
10335	trans-1,2-Dichloroethene	156-60-5	4.2 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	1.5 J	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	4.2 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	17	1.0	5.0	1

## 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.

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

Sample Description: B-13 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120723  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB13

## 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	Y131922AA	07/12/2013 00:20	Sarah A Guill	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131922AA	07/12/2013 05:58	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 00:20	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y131922AA	07/12/2013 05:58	Sarah A Guill	10

Sample Description: B-13 MS Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120724  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB13

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	17	1.0	5.0	1
10335	Bromobenzene	108-86-1	20	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10335	Bromoform	75-25-2	18	1.0	5.0	1
10335	Bromomethane	74-83-9	15	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	0.80	5.0	1
10335	Chloroethane	75-00-3	16	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	15	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	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	20	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	19	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	50	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	22	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	28	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	520	E 0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	27	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	20	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	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	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	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	710	E 1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	19	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	36	1.0	5.0	1

## 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.

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

Sample Description: B-13 MS Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120724  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB13

## 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	Y131922AA	07/12/2013 00:41	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 00:41	Sarah A Guill	1

Sample Description: B-13 MSD Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120725  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB13

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	15	1.0	5.0	1
10335	Bromobenzene	108-86-1	18	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	19	1.0	5.0	1
10335	Bromoform	75-25-2	16	1.0	5.0	1
10335	Bromomethane	74-83-9	15	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	21	1.0	5.0	1
10335	Chlorobenzene	108-90-7	19	0.80	5.0	1
10335	Chloroethane	75-00-3	16	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	14	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	21	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	17	1.0	5.0	1
10335	Dibromomethane	74-95-3	17	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	18	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	18	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	19	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	18	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	49	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	20	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	540	E 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	19	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	18	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	19	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	18	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	16	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	22	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	23	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	18	0.80	5.0	1
10335	Trichloroethene	79-01-6	730	E 1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	19	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	16	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	37	1.0	5.0	1

## 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.

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



Sample Description: B-13 MSD Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120725  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB13

## 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	Y131922AA	07/12/2013 01:02	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 01:02	Sarah A Guill	1

Sample Description: P-3 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120726  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SB-P3

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	100	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	3.7 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	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	2.2 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	1.6 J	1.0	5.0	1

## 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.

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

Sample Description: P-3 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120726  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SB-P3

## 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	Y131922AA	07/12/2013 01:23	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 01:23	Sarah A Guill	1

Sample Description: B-3 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120727  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SB-B3

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	1.7 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	1.2 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	160	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	2.8 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	1.1 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	100	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	22	1.0	5.0	1

## 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.

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

Sample Description: B-3 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120727  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SB-B3

## 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	Y131922AA	07/12/2013 01:44	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 01:44	Sarah A Guill	1

**Sample Description: B-42 Water**  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120728  
LL Group # 1402575  
Account # 12495

**Project Name: BP Sanborn**

Collected: 07/08/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB42

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	4.9 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	3.2 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

## 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.

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

Sample Description: B-42 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120728  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB42

## 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	Y131922AA	07/12/2013 02:05	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 02:05	Sarah A Guill	1

Sample Description: B-43 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120729  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 10:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB43

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	5.0	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	2.4 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	1.5 J	1.0	5.0	1

## 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.

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



Sample Description: B-43 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120729  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 10:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB43

## 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	Y131922AA	07/12/2013 02:26	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 02:26	Sarah A Guill	1

**Sample Description:** Field Dup #2 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120730  
LL Group # 1402575  
Account # 12495

**Project Name:** BP Sanborn

Collected: 07/08/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd

Houston TX 77079

SBFD2

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	8.1	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	10	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	4.4 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	5.2	1.0	5.0	1

## 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.

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

Sample Description: Field Dup #2 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120730  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBFD2

## 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	Y131922AA	07/12/2013 02:47	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 02:47	Sarah A Guill	1

Sample Description: PW-1 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120731  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBPW1

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	2.6 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	1.5 J	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	2.0 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	1.1 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	660	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	14	1.0	5.0	1

## 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.

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

Sample Description: PW-1 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120731  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBPW1

## 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	Y131922AA	07/12/2013 03:09	Sarah A Guill	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131922AA	07/12/2013 03:30	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 03:09	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y131922AA	07/12/2013 03:30	Sarah A Guill	10

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

Sample Description: B-17 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120732  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 09:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB17

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	76	2.0	10	2
10335	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10335	1,1-Dichloroethene	75-35-4	47	1.6	10	2
10335	cis-1,2-Dichloroethene	156-59-2	10,000	80	500	100
10335	trans-1,2-Dichloroethene	156-60-5	51	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	4.1 J	1.6	10	2
10335	1,1,1-Trichloroethane	71-55-6	14	1.6	10	2
10335	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10	2
10335	Trichloroethene	79-01-6	5,200	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	1,200	100	500	100

## 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.

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

Sample Description: B-17 Water  
BP Sanborn COC: 192475  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120732  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 09:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB17

## 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	Y131922AA	07/12/2013 03:51	Sarah A Guill	2
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y131922AA	07/12/2013 06:19	Sarah A Guill	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 03:51	Sarah A Guill	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y131922AA	07/12/2013 06:19	Sarah A Guill	100

Sample Description: B-44 Water  
BP Sanborn COC: 192476  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120733  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB44

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	7.7	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	10	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	4.5 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	5.1	1.0	5.0	1

## 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.

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



Sample Description: B-44 Water  
BP Sanborn COC: 192476  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120733  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB44

## 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	Y131922AA	07/12/2013 04:33	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 04:33	Sarah A Guill	1

Sample Description: B-19 Water  
BP Sanborn COC: 192476  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120734  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 14:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB19

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	2.9 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	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

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-19 Water  
BP Sanborn COC: 192476  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120734  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 14:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SBB19

## 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	Y131922AA	07/12/2013 04:54	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 04:54	Sarah A Guill	1

**Sample Description: B-4 Water**  
BP Sanborn COC: 192476  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120735  
LL Group # 1402575  
Account # 12495

**Project Name: BP Sanborn**

Collected: 07/08/2013 14:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SB-B4

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	1.3 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	0.81 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	89	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	5.0	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	28	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	10	1.0	5.0	1

## 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.

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

Sample Description: B-4 Water  
BP Sanborn COC: 192476  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7120735  
LL Group # 1402575  
Account # 12495

Project Name: BP Sanborn

Collected: 07/08/2013 14:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/09/2013 09:20

BP Corporation

Reported: 07/12/2013 13:28

501 WestLake Park Blvd  
Houston TX 77079

SB-B4

## 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	Y131922AA	07/12/2013 05:15	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y131922AA	07/12/2013 05:15	Sarah A Guill	1

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/12/13 at 01:28 PM

Group Number: 1402575

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: Y131922AA	Sample number(s): 7120723-7120735								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	82		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	94		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	99		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	90		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	75		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	101		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	78		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	78		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	99		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	94		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	94		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	91		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	96		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	77		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	96		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	107		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	98		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	94		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		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	95		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	106		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	99		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	99		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	92		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	99		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	88		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	91		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	90		63-120		

## 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

\*- 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: 1402575

Reported: 07/12/13 at 01:28 PM

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y131922AA	Sample number(s): 7120723-7120735 UNSPK: 7120723								
Benzyl Chloride	83	74	42-131	12	30				
Bromobenzene	100	90	82-115	10	30				
Bromodichloromethane	106	93	78-125	13	30				
Bromoform	91	79	48-118	14	30				
Bromomethane	74	74	47-129	0	30				
Carbon Tetrachloride	120	104	72-135	14	30				
Chlorobenzene	107	94	87-124	13	30				
Chloroethane	80	82	51-145	2	30				
2-Chloroethyl Vinyl Ether	75	71	10-151	6	30				
Chloroform	110	96	81-134	13	30				
Chloromethane	108	106	46-137	2	30				
Dibromochloromethane	97	86	74-116	12	30				
Dibromomethane	97	84	83-119	15	30				
1,2-Dichlorobenzene	102	92	84-119	10	30				
1,3-Dichlorobenzene	103	92	86-121	11	30				
1,4-Dichlorobenzene	104	94	85-121	10	30				
Dichlorodifluoromethane	93	92	52-129	1	30				
1,1-Dichloroethane	122	117	84-129	2	30				
1,2-Dichloroethane	112	99	68-131	12	30				
1,1-Dichloroethene	116	105	75-155	8	30				
cis-1,2-Dichloroethene	388 (2)	496 (2)	80-141	4	30				
trans-1,2-Dichloroethene	113	102	81-142	9	30				
1,2-Dichloropropane	105	94	83-124	12	30				
cis-1,3-Dichloropropene	99	88	70-116	12	30				
trans-1,3-Dichloropropene	102	91	74-119	11	30				
Methylene Chloride	109	95	78-133	14	30				
1,1,1,2-Tetrachloroethane	106	92	74-136	14	30				
1,1,2,2-Tetrachloroethane	92	82	72-128	11	30				
Tetrachloroethene	117	104	80-128	11	30				
1,1,1-Trichloroethane	107	95	69-140	10	30				
1,1,2-Trichloroethane	101	90	71-141	12	30				
Trichloroethene	421 (2)	528 (2)	88-133	3	30				
Trichlorofluoromethane	97	97	64-146	1	30				
1,2,3-Trichloropropane	92	82	76-118	11	30				
Vinyl Chloride	94	98	66-133	2	30				

## 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: Y131922AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7120723	93	91	93	85
7120724	91	93	94	90
7120725	91	89	94	90
7120726	92	92	92	85
7120727	91	91	92	85
7120728	92	92	91	85

\*- 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: 1402575

Reported: 07/12/13 at 01:28 PM

### Surrogate Quality Control

7120729	91	91	91	84
7120730	94	91	91	85
7120731	93	91	93	85
7120732	95	92	93	84
7120733	94	91	92	85
7120734	94	93	91	84
7120735	94	93	91	84
Blank	90	91	92	85
LCS	90	89	93	90
MS	91	93	94	90
MSD	91	89	94	90

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.



BP/ARC Project Name: BP, Sanborn, NY

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 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kristin Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>46 La Riviere Dr. Suite 350, Buffalo, NY 14201</u>
Lab Phone: <u>(717) 656-2320</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>DOOB4-0004</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>141514</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: <u>BP/ARC</u> <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>				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 O+M</u>	Date: <u>7/8/13</u>	Time: <u>1515</u>	Accepted By / Affiliation: <u>CEB LLI</u>	Date: <u>7/9/13</u>	Time: <u>0920</u>
Sampler's Company: <u>D+M Enterprises Inc.</u>						
Shipment Method: <u>FEDEX</u>	Ship Date: <u>7/8/13</u>					
Shipment Tracking No: <u>801301723523</u>						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No ☐ Temp Blank: Yes / No ☐ Cooler Temp on Receipt: 9.8 °F ☒ Trip Blank: Yes / No ☐ MS/MSD Sample Submitted: Yes / No ☐

BP/ARC Project Name: BP, Sanborn, NY

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 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Karlton Plasterer</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 LaPiere 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 Acctnt: _____	Enfos Proposal No: <u>D00B4-0004</u>	Phone: <u>(716) 471-4950</u>
Lab Bottle Order No: <u>141514</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: <u>BP/ARC</u> 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											Comments	
	B-44	7/8/13	1030	X			3	X					X										Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
	B-19	1	1405	X			3	X					X											
	B-4	1	1435	X			3	X					X											

Environmental Sample Administration  
Receipt Documentation Log

C# 1402575

Client/Project: ATI RichShipping Container Sealed: ☒ YES ☐ NODate of Receipt: 7/9/13Custody Seal Present \* : ☒ YES ☐ NOTime of Receipt: 0920

\* Custody seal was intact unless otherwise noted in the discrepancy section

Source 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	DT121	4.8	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: CCSh 3647Date/Time: 7/9/13 1101

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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 19, 2013

Project: BP Sanborn

Submittal Date: 07/10/2013

Group Number: 1402990

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
B-26 Water	7122565
B-31 Water	7122566
B-7 Water	7122567
Field Dup #3 Water	7122568
B-14 Water	7122569
B-16 Water	7122570
B-12 Water	7122571
B-5 Water	7122572
P-4 Water	7122573
B-49 Water	7122574
B-49 Matrix Spike Water	7122575
B-49 Matrix Spike Dup Water	7122576
B-48 Water	7122577

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

ELECTRONIC Parsons

Attn: George Hermance

COPY TO

ELECTRONIC Parsons

Attn: Lorraine Weber

COPY TO

ELECTRONIC Parsons

Attn: Eric Felter

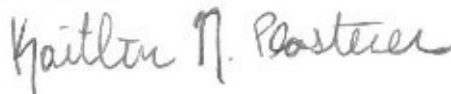
COPY TO

ELECTRONIC Parsons

Attn: Doug Taylor

COPY TO

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

Project Name: BP Sanborn  
LLI Group #: 1402990

**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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 C.

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

Batch #: N131941AA (Sample number(s): 7122565-7122577 UNSPK: 7122574)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene

Sample Description: B-26 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122565  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B26--

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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-26 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122565  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B26--

## 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	N131941AA	07/13/2013 03:52	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 03:52	Christopher G Torres	1

Sample Description: B-31 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122566  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 09:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B31--

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	3.4 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	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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-31 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122566  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 09:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B31--

## 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	N131941AA	07/13/2013 04:16	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 04:16	Christopher G Torres	1

Sample Description: B-7 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122567  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd

Houston TX 77079

B7---

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	0.94 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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-7 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122567  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B7---

## 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	N131941AA	07/13/2013 04:39	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 04:39	Christopher G Torres	1

Sample Description: Field Dup #3 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122568  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

-FD3-

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	3.2 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	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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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: Field Dup #3 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122568  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

-FD3-

## 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	N131941AA	07/13/2013 05:03	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 05:03	Christopher G Torres	1

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

Sample Description: B-14 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122569  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 10:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B14--

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	28	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	54	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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-14 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122569  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 10:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B14--

## 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	N131941AA	07/13/2013 05:26	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 05:26	Christopher G Torres	1

Sample Description: B-16 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122570  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B16--

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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-16 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122570  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B16--

## 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	N131941AA	07/13/2013 05:50	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 05:50	Christopher G Torres	1

Sample Description: B-12 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122571  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B12--

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	4.7 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	1.8 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	80	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	2.1 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	N.D.	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	8.8	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	490	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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-12 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122571  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B12--

## 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	N131941AA	07/13/2013 06:14	Christopher G Torres	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131962AA	07/15/2013 23:54	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 06:14	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N131962AA	07/15/2013 23:54	Sarah A Guill	10

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

Sample Description: B-5 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122572  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 12:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd

Houston TX 77079

B5---

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	3.4 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	25	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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-5 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122572  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 12:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B5---

## 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	N131941AA	07/13/2013 06:37	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 06:37	Christopher G Torres	1

Sample Description: P-4 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122573  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd

Houston TX 77079

P4---

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.	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	39	5.0	25	5
10335	1,2-Dichloroethane	107-06-2	N.D.	5.0	25	5
10335	1,1-Dichloroethene	75-35-4	8.4 J	4.0	25	5
10335	cis-1,2-Dichloroethene	156-59-2	700	4.0	25	5
10335	trans-1,2-Dichloroethene	156-60-5	7.8 J	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	18 J	4.0	25	5
10335	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10335	Trichloroethene	79-01-6	2,500	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	16 J	5.0	25	5

## General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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: P-4 Water  
BP Sanborn COC: 192477  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122573  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

P4---

## 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	N131941AA	07/13/2013 09:23	Christopher G Torres	5
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131941AA	07/13/2013 09:46	Christopher G Torres	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 09:23	Christopher G Torres	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N131941AA	07/13/2013 09:46	Christopher G Torres	50

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

Sample Description: B-49 Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122574  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

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 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-49 Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122574  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

## 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	N131941AA	07/13/2013 02:41	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 02:41	Christopher G Torres	1

Sample Description: B-49 Matrix Spike Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122575  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

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	11	1.0	5.0	1
10335	Bromobenzene	108-86-1	17	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	17	1.0	5.0	1
10335	Bromoform	75-25-2	13	1.0	5.0	1
10335	Bromomethane	74-83-9	18	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	20	1.0	5.0	1
10335	Chlorobenzene	108-90-7	18	0.80	5.0	1
10335	Chloroethane	75-00-3	21	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	16	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	20	0.80	5.0	1
10335	Chloromethane	74-87-3	18	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	16	1.0	5.0	1
10335	Dibromomethane	74-95-3	17	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	17	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	17	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	17	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	22	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	20	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	20	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	19	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	20	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	19	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	16	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	15	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	17	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	16	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	19	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	21	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	17	0.80	5.0	1
10335	Trichloroethene	79-01-6	20	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	22	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	17	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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-49 Matrix Spike Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122575  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

## 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	N131941AA	07/13/2013 03:04	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 03:04	Christopher G Torres	1

Sample Description: B-49 Matrix Spike Dup Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122576  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

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	12	1.0	5.0	1
10335	Bromobenzene	108-86-1	17	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	18	1.0	5.0	1
10335	Bromoform	75-25-2	13	1.0	5.0	1
10335	Bromomethane	74-83-9	19	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	21	1.0	5.0	1
10335	Chlorobenzene	108-90-7	19	0.80	5.0	1
10335	Chloroethane	75-00-3	22	1.0	5.0	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	16	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	21	0.80	5.0	1
10335	Chloromethane	74-87-3	18	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	16	1.0	5.0	1
10335	Dibromomethane	74-95-3	18	1.0	5.0	1
10335	1,2-Dichlorobenzene	95-50-1	17	1.0	5.0	1
10335	1,3-Dichlorobenzene	541-73-1	17	1.0	5.0	1
10335	1,4-Dichlorobenzene	106-46-7	17	1.0	5.0	1
10335	Dichlorodifluoromethane	75-71-8	23	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	21	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	19	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	19	1.0	5.0	1
10335	cis-1,3-Dichloropropene	10061-01-5	17	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	17	1.0	5.0	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	16	1.0	5.0	1
10335	Tetrachloroethene	127-18-4	20	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	18	0.80	5.0	1
10335	Trichloroethene	79-01-6	21	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	22	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	17	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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-49 Matrix Spike Dup Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122576  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

## 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	N131941AA	07/13/2013 03:28	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 03:28	Christopher G Torres	1

Sample Description: B-48 Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122577  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd

Houston TX 77079

B49--

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	1.2 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

## General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 10.8 C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.5-8.2 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-48 Water  
BP Sanborn COC: 192478  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7122577  
LL Group # 1402990  
Account # 12495

Project Name: BP Sanborn

Collected: 07/09/2013 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/10/2013 09:25

BP Corporation

Reported: 07/19/2013 16:33

501 WestLake Park Blvd  
Houston TX 77079

B49--

## 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	N131941AA	07/13/2013 07:01	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131941AA	07/13/2013 07:01	Christopher G Torres	1

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/19/13 at 04:33 PM

Group Number: 1402990

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: N131941AA	Sample number(s): 7122565-7122577								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	69		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	91		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	75		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	90		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	99		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	95		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	93		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	100		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	106		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	91		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	85		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	94		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	90		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	90		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	89		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	115		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	103		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	100		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	92		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	87		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	103		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	90		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	99		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	108		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	104		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	95		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	96		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	97		63-120		
Batch number: N131962AA	Sample number(s): 7122571								
Trichloroethene	N.D.	1.0	5.0	ug/l	110		80-120		

## Sample Matrix Quality Control

\*- 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: 1402990

Reported: 07/19/13 at 04:33 PM

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: N131941AA	Sample number(s): 7122565-7122577 UNSPK: 7122574								
Benzyl Chloride	57	59	42-131	2	30				
Bromobenzene	84	86	82-115	3	30				
Bromodichloromethane	86	88	78-125	2	30				
Bromoform	66	66	48-118	1	30				
Bromomethane	92	93	47-129	2	30				
Carbon Tetrachloride	101	104	72-135	3	30				
Chlorobenzene	88	93	87-124	5	30				
Chloroethane	107	109	51-145	2	30				
2-Chloroethyl Vinyl Ether	79	82	10-151	4	30				
Chloroform	101	104	81-134	3	30				
Chloromethane	89	90	46-137	1	30				
Dibromochloromethane	78	81	74-116	4	30				
Dibromomethane	85	89	83-119	5	30				
1,2-Dichlorobenzene	83*	86	84-119	4	30				
1,3-Dichlorobenzene	83*	87	86-121	5	30				
1,4-Dichlorobenzene	83*	87	85-121	5	30				
Dichlorodifluoromethane	112	113	52-129	1	30				
1,1-Dichloroethane	100	103	84-129	2	30				
1,2-Dichloroethane	107	107	68-131	0	30				
1,1-Dichloroethene	102	107	75-155	5	30				
cis-1,2-Dichloroethene	95	96	80-141	1	30				
trans-1,2-Dichloroethene	101	105	81-142	4	30				
1,2-Dichloropropane	93	96	83-124	3	30				
cis-1,3-Dichloropropene	82	83	70-116	1	30				
trans-1,3-Dichloropropene	77	80	74-119	3	30				
Methylene Chloride	94	97	78-133	3	30				
1,1,1,2-Tetrachloroethane	83	86	74-136	4	30				
1,1,2,2-Tetrachloroethane	79	82	72-128	4	30				
Tetrachloroethene	97	102	80-128	5	30				
1,1,1-Trichloroethane	107	112	69-140	4	30				
1,1,2-Trichloroethane	87	91	71-141	4	30				
Trichloroethene	102	105	88-133	2	30				
Trichlorofluoromethane	110	111	64-146	1	30				
1,2,3-Trichloropropane	84	86	76-118	3	30				
Vinyl Chloride	106	108	66-133	1	30				
Batch number: N131962AA	Sample number(s): 7122571 UNSPK: P123314								
Trichloroethene	122	121	88-133	1	30				

**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: N131941AA

Dibromofluoromethane

1,2-Dichloroethane-d4

Toluene-d8

4-Bromofluorobenzene

\*- 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: 1402990

Reported: 07/19/13 at 04:33 PM

### Surrogate Quality Control

7122565	102	104	101	100
7122566	102	104	101	99
7122567	101	103	101	98
7122568	102	103	101	99
7122569	103	104	101	99
7122570	102	102	102	99
7122571	103	104	101	99
7122572	101	104	101	98
7122573	100	105	101	99
7122574	102	102	101	98
7122575	104	105	102	102
7122576	103	103	102	102
7122577	102	104	100	98
Blank	101	104	101	98
LCS	102	103	102	101
MS	104	105	102	102
MSD	103	103	102	102
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.

No

**Lab Work Order Number:**

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: Kathleen Plasterer				Lead Regulatory Agency: NYS DEC						Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202																			
Lab Phone: (717) 656-2300				California Global ID No.:						Consultant/Contractor PM: George Hernandez																			
Lab Shipping Acctn:				Enfos Proposal No: D00B4-0004						Phone: (716) 407-4990																			
Lab Bottle Order No: 141514				Accounting Mode: JO 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: (716) 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	Comments																
	B-26	7/9/13	0910	X			3	X					8260	Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.															
	B-31		0950				3																						
	B-7		1025				3																						
	Field Dup #3						3																						
	B-14		1055				3																						
	B-16		1130				3																						
	B-12		1215				3																						
	B-5		1250				3																						
	P-4		1300				3																						
Sampler's Name: Richard C Becker				Relinquished By / Affiliation						Date		Time		Accepted By / Affiliation				Date		Time									
Sampler's Company: OAM Enterprises Inc.				Richard C Becker oam						7/9/13		1525																	
Shipment Method: Fed Ex Ship Date: 7/9/13																													
Shipment Tracking No: 801301773534														Buenos Aires, CA				7-10-13		925									
Special Instructions:																													
THIS LINE - LAB USE ONLY: Custody Seals In Place Yes / No										Temp Blank Yes / No					Cooler Temp on Receipt: 10.8 °F(C)					Trip Blank Yes / No					MS/MSD Sample Submitted Yes / No				



Environmental Sample Administration  
Receipt Documentation Log

Client/Project:

Parsons

Shipping Container Sealed:

YES

NO

Date of Receipt:

7.10.13

Custody Seal Present \* :

YES

NO

Time of Receipt:

925

\* Custody seal was intact unless otherwise noted in the  
discrepancy section

Source Code:

50-1

Package:

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	04121	10.8	TB	WI	Y	B	6.6 6.9 6.5 7.5 8.2
2							
3							
4							
5							
6							

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

3

Paperwork Discrepancy/Unpacking Problems:

Ice on bottom & side of cooler TB  
on top of vial foamiesall samples High temp  
Rec 2 vials for B-49 MSD.

Unpacker Signature/Emp#:

Branchy Barclay<sup>2299</sup>

Date/Time:

7.10.13

11:46

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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 15, 2013

Project: BP Sanborn

Submittal Date: 07/11/2013

Group Number: 1403272

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionLancaster Labs (LL) #

Field Dup #4 Water	7123801
B-63 Water	7123802
B-62 Water	7123803
B-64 Water	7123804
B-65 Water	7123805
B-66 Water	7123806
B-67 Water	7123807
B-59 Water	7123808
B-61 Water	7123809
B-15 Water	7123810
B-60 Water	7123811
B-60 Matrix Spike Water	7123812
B-60 Matrix Spike Dup Water	7123813

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

ELECTRONIC    Parsons  
COPY TO

Attn: George Hermance

ELECTRONIC    Parsons  
COPY TO

Attn: Lorraine Weber

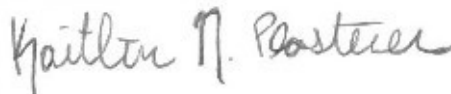
ELECTRONIC    Parsons  
COPY TO

Attn: Eric Felter

ELECTRONIC    Parsons  
COPY TO

Attn: Doug Taylor

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

---

Project Name: BP Sanborn  
LLI Group #: 1403272

**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.

**Analysis Specific Comments:**

No additional comments are necessary.

**Sample Description:** Field Dup #4 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123801  
LL Group # 1403272  
Account # 12495

**Project Name:** BP Sanborn

Collected: 07/10/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

FD4--

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	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

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 #4 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123801  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

FD4--

## 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	L131931AA	07/12/2013 15:58	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 15:58	Angela D Sneeringer	1

Sample Description: B-63 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123802  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B63--

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

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-63 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123802  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B63--

## 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	L131931AA	07/12/2013 16:20	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 16:20	Angela D Sneeringer	1

Sample Description: B-62 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123803  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 09:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B62--

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

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-62 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123803  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 09:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B62--

## 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	L131931AA	07/12/2013 16:42	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 16:42	Angela D Sneeringer	1

Sample Description: B-64 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123804  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 10:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B64--

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

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-64 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123804  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 10:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B64--

## 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	L131931AA	07/12/2013 17:04	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 17:04	Angela D Sneeringer	1

Sample Description: B-65 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123805  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B65--

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

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-65 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123805  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B65--

## 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	L131931AA	07/12/2013 17:26	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 17:26	Angela D Sneeringer	1

Sample Description: B-66 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123806  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd

Houston TX 77079

B66--

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

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-66 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123806  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B66--

## 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	L131931AA	07/12/2013 17:48	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 17:48	Angela D Sneeringer	1

Sample Description: B-67 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123807  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 12:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B67--

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

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-67 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123807  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 12:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B67--

## 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	L131931AA	07/12/2013 18:10	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 18:10	Angela D Sneeringer	1

Sample Description: B-59 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123808  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 13:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B59--

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	0.90 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	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

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-59 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123808  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 13:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B59--

## 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	L131931AA	07/12/2013 18:32	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 18:32	Angela D Sneeringer	1

**Sample Description: B-61 Water**  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123809  
LL Group # 1403272  
Account # 12495

**Project Name: BP Sanborn**

Collected: 07/10/2013 15:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B61--

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	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

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-61 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123809  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 15:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B61--

## 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	L131931AA	07/12/2013 18:54	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 18:54	Angela D Sneeringer	1

Sample Description: B-15 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123810  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 15:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B15--

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

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-15 Water  
BP Sanborn COC: R210210  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123810  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 15:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B15--

## 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	L131931AA	07/12/2013 19:16	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 19:16	Angela D Sneeringer	1

Sample Description: B-60 Water  
BP Sanborn COC: R210209  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123811  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd

Houston TX 77079

B60--

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

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-60 Water  
BP Sanborn COC: R210209  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123811  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B60--

## 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	L131931AA	07/12/2013 14:31	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 14:31	Angela D Sneeringer	1

Sample Description: B-60 Matrix Spike Water  
BP Sanborn COC: R210209  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123812  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B60--

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	16	1.0	5.0	1
10335	Bromobenzene	108-86-1	20	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	19	1.0	5.0	1
10335	Bromoform	75-25-2	17	1.0	5.0	1
10335	Bromomethane	74-83-9	19	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	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	21	0.80	5.0	1
10335	Chloromethane	74-87-3	18	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	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	22	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	21	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	21	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	22	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	20	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10335	Methylene Chloride	75-09-2	20	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	22	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	19	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	22	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	20	1.0	5.0	1

## 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.

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

Sample Description: B-60 Matrix Spike Water  
BP Sanborn COC: R210209  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123812  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B60--

## 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	L131931AA	07/12/2013 14:53	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 14:53	Angela D Sneeringer	1

Sample Description: B-60 Matrix Spike Dup Water  
BP Sanborn COC: R210209  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123813  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B60--

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	17	1.0	5.0	1
10335	Bromobenzene	108-86-1	20	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	19	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	22	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	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	21	0.80	5.0	1
10335	Chloromethane	74-87-3	18	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	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	21	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	21	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	21	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	20	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10335	Methylene Chloride	75-09-2	20	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	22	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	19	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	21	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	20	1.0	5.0	1

## 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.

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

Sample Description: B-60 Matrix Spike Dup Water  
BP Sanborn COC: R210209  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7123813  
LL Group # 1403272  
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2013 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/11/2013 09:20

BP Corporation

Reported: 07/15/2013 12:42

501 WestLake Park Blvd  
Houston TX 77079

B60--

## 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	L131931AA	07/12/2013 15:15	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131931AA	07/12/2013 15:15	Angela D Sneeringer	1

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/15/13 at 12:42 PM

Group Number: 1403272

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: L131931AA	Sample number(s): 7123801-7123813								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	71	72	49-120	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	90	91	80-120	1	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	87	88	73-120	1	30
Bromoform	N.D.	1.0	5.0	ug/l	83	83	61-120	0	30
Bromomethane	N.D.	1.0	5.0	ug/l	76	77	51-120	1	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	93	94	65-137	1	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	93	94	80-120	2	30
Chloroethane	N.D.	1.0	5.0	ug/l	75	76	60-120	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	84	84	52-127	0	30
Chloroform	N.D.	0.80	5.0	ug/l	92	94	77-122	2	30
Chloromethane	N.D.	1.0	5.0	ug/l	76	76	54-123	0	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	87	88	72-120	1	30
Dibromomethane	N.D.	1.0	5.0	ug/l	86	88	80-120	2	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	90	92	80-120	2	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	91	92	80-120	2	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	90	91	80-120	1	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	82	82	35-122	0	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	91	93	79-120	3	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	93	94	64-130	1	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	88	90	76-124	3	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	90	92	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	90	92	80-120	2	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	95	96	80-120	1	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91	92	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	87	89	66-124	2	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	89	91	84-118	3	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	89	90	79-120	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	91	92	70-129	2	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	95	93	79-120	3	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	86	89	66-126	3	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	91	94	80-120	3	30
Trichloroethene	N.D.	1.0	5.0	ug/l	93	94	80-120	2	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	91	93	65-130	2	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	89	89	76-120	1	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	81	81	63-120	1	30

## 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

\*- 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: 1403272

Reported: 07/15/13 at 12:42 PM

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L131931AA	Sample number(s): 7123801-7123813 UNSPK: 7123811								
Benzyl Chloride	82	83	42-131	0	30				
Bromobenzene	100	99	82-115	1	30				
Bromodichloromethane	96	97	78-125	1	30				
Bromoform	86	87	48-118	1	30				
Bromomethane	93	91	47-129	3	30				
Carbon Tetrachloride	111	110	72-135	1	30				
Chlorobenzene	104	105	87-124	0	30				
Chloroethane	92	90	51-145	3	30				
2-Chloroethyl Vinyl Ether	90	91	10-151	1	30				
Chloroform	106	105	81-134	1	30				
Chloromethane	92	90	46-137	2	30				
Dibromochloromethane	93	94	74-116	1	30				
Dibromomethane	95	94	83-119	1	30				
1,2-Dichlorobenzene	100	100	84-119	0	30				
1,3-Dichlorobenzene	102	102	86-121	0	30				
1,4-Dichlorobenzene	101	101	85-121	0	30				
Dichlorodifluoromethane	109	107	52-129	2	30				
1,1-Dichloroethane	106	105	84-129	1	30				
1,2-Dichloroethane	103	103	68-131	0	30				
1,1-Dichloroethene	106	105	75-155	1	30				
cis-1,2-Dichloroethene	104	103	80-141	1	30				
trans-1,2-Dichloroethene	108	106	81-142	1	30				
1,2-Dichloropropane	107	106	83-124	1	30				
cis-1,3-Dichloropropene	102	102	70-116	0	30				
trans-1,3-Dichloropropene	95	96	74-119	1	30				
Methylene Chloride	101	101	78-133	0	30				
1,1,1,2-Tetrachloroethane	100	100	74-136	0	30				
1,1,2,2-Tetrachloroethane	96	96	72-128	1	30				
Tetrachloroethene	110	109	80-128	0	30				
1,1,1-Trichloroethane	95	95	69-140	0	30				
1,1,2-Trichloroethane	100	101	71-141	0	30				
Trichloroethene	110	107	88-133	3	30				
Trichlorofluoromethane	115	115	64-146	0	30				
1,2,3-Trichloropropane	96	94	76-118	1	30				
Vinyl Chloride	102	101	66-133	1	30				

## 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: L131931AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7123801	98	101	100	98
7123802	99	101	100	98
7123803	98	101	99	98
7123804	99	101	100	98
7123805	99	101	99	98
7123806	99	102	100	98

\*- 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: 1403272

Reported: 07/15/13 at 12:42 PM

### Surrogate Quality Control

7123807	99	100	100	98
7123808	99	102	100	97
7123809	98	101	100	97
7123810	98	101	100	97
7123811	98	101	100	99
7123812	100	101	101	98
7123813	99	100	101	99
Blank	99	102	99	98
LCS	98	99	101	99
LCSD	98	99	101	99
MS	100	101	101	98
MSD	99	100	101	99
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.





A-12495 G-1403272 S-7123801-14  
Laboratory Management Program LaMP Chain of Custody Record R210210

Page 1 of 2

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: Kaitlin Plasterer	Lead Regulatory Agency: NYDEC	Address: 40 LaKiviere 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: D0084-0004	Phone: (716) 467-4990 Email:
Lab Bottle Order No: 141514	Accounting Mode: Provision OOC-BU OOC-RM	Email EDD To: Lorraine Becker and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP 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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

Sampler's Name: Richard C Becker	Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation		Date	Time
Sampler's Company: O+M Enterprises Inc	Richard C Becker O+M		7/10/13	1615				
Shipment Method: Fed Ex Ship Date: 7/10/13								
Shipment Tracking No: 801301713545					Bucarely Barchy		7/11/13	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes No Temp Blank: Yes No Cooler Temp on Receipt: 6.5 °F C Trip Blank: Yes No MS/MSD Sample Submitted: Yes No



G-1403272  
Environmental Sample Administration  
Receipt Documentation LogClient/Project: ParsonsShipping Container Sealed: YES NODate of Receipt: 7.11.13Custody Seal Present \*: YES NOTime of Receipt: 920\* 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	DH31	6.5	TB	WI	X	B	ST 1396 6.6 5.4 3.9 4.3 3.6
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

## Paperwork Discrepancy/Unpacking Problems:

TB was out side of Bag away from  
Ice Rec'd 1 vial High Temp B-61  
Rec 1 vial for B-49 MSD 4.9.13 1415  
not on COC

Unpacker Signature/Emp#:

Bianely Barclay 2299

Date/Time:

7.11.13 12:23

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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 18, 2013

Project: BP Sanborn

Submittal Date: 07/12/2013

Group Number: 1403698

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionP-2 Water  
PW-4 Water  
B-38 Water  
B-21 Water  
B-22 Water  
B-28 Water  
Field Dup #6 Water  
T002 WaterLancaster Labs (LL) #7125530  
7125531  
7125532  
7125533  
7125534  
7125535  
7125536  
7125537

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  
ELECTRONIC     Parsons  
COPY TO  
ELECTRONIC     Parsons  
COPY TO

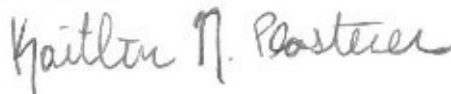
Attn: George Hermance

Attn: Lorraine Weber

Attn: Eric Felter

Attn: Doug Taylor

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

Project Name: BP Sanborn  
LLI Group #: 1403698

**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.

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

Batch #: N131962AA (Sample number(s): 7125530-7125531 UNSPK: P123314)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Tetrachloroethene, Dichlorodifluoromethane, 1,2-Dichloroethane

Sample #s: 7125537

Reporting limits were raised due to sample foaming.

Sample Description: P-2 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125530  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

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.	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	1.2 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	77	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	21	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	780	8.0	50	10
10335	trans-1,2-Dichloroethene	156-60-5	9.1	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	1.3 J	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	530	8.0	50	10
10335	1,1,2-Trichloroethane	79-00-5	1.3 J	0.80	5.0	1
10335	Trichloroethene	79-01-6	8,700	100	500	100
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	44	1.0	5.0	1

## 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.

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



Sample Description: P-2 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125530  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

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	N131951AA	07/14/2013 19:07	Sarah A Guill	1
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131951AA	07/14/2013 19:31	Sarah A Guill	10
10335	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N131962AA	07/16/2013 00:17	Sarah A Guill	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 19:07	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N131951AA	07/14/2013 19:31	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030B	3	N131962AA	07/16/2013 00:17	Sarah A Guill	100

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

Sample Description: PW-4 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125531  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 08:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

PW4--

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	1.2 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	44	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	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	2.0 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	3.0 J	1.0	5.0	1

## 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.

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

Sample Description: PW-4 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125531  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 08:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

PW4--

## 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	N131962AA	07/15/2013 23:30	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131962AA	07/15/2013 23:30	Sarah A Guill	1

Sample Description: B-38 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125532  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 08:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B38--

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	1.6 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	0.94 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	60	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	52	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	1.9 J	1.0	5.0	1

## 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.

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

Sample Description: B-38 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125532  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 08:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B38--

## 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	N131951AA	07/14/2013 20:18	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 20:18	Sarah A Guill	1

Sample Description: B-21 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125533  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B21--

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

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: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125533  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B21--

## 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	N131951AA	07/14/2013 20:42	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 20:42	Sarah A Guill	1

Sample Description: B-22 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125534  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 13:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B22--

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	1.2 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	150	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	5.7	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	53	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

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-22 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125534  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 13:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B22--

## 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	N131951AA	07/14/2013 21:05	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 21:05	Sarah A Guill	1

Sample Description: B-28 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125535  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 13:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B28--

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

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: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125535  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 13:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

B28--

## 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	N131951AA	07/14/2013 21:29	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 21:29	Sarah A Guill	1

**Sample Description:** Field Dup #6 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125536  
LL Group # 1403698  
Account # 12495

**Project Name:** BP Sanborn

Collected: 07/11/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

FD6--

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	1.2 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	45	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	1.4 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	2.1 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	3.0 J	1.0	5.0	1

## 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.

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

Sample Description: Field Dup #6 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125536  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

FD6--

## 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	N131951AA	07/14/2013 21:53	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 21:53	Sarah A Guill	1

Sample Description: T002 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125537  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 11:26 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

T002-

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.	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	18 J	5.0	25	5
10335	1,2-Dichloroethane	107-06-2	N.D.	5.0	25	5
10335	1,1-Dichloroethene	75-35-4	N.D.	4.0	25	5
10335	cis-1,2-Dichloroethene	156-59-2	300	4.0	25	5
10335	trans-1,2-Dichloroethene	156-60-5	N.D.	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	N.D.	4.0	25	5
10335	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10335	Trichloroethene	79-01-6	580	5.0	25	5
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	15 J	5.0	25	5

Reporting limits were raised due to sample foaming.

## 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.

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

Sample Description: T002 Water  
BP Sanborn COC: R210208  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7125537  
LL Group # 1403698  
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2013 11:26 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/12/2013 09:20

BP Corporation

Reported: 07/18/2013 20:07

501 WestLake Park Blvd  
Houston TX 77079

T002-

## 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	N131951AA	07/14/2013 22:16	Sarah A Guill	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N131951AA	07/14/2013 22:16	Sarah A Guill	5

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/18/13 at 08:07 PM

Group Number: 1403698

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: N131951AA	Sample number(s): 7125530,7125532-7125537								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	79		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	100		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	85		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	96		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	108		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	105		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	101		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	112		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	113		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	96		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	95		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		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	100		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	91		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	111		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	104		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	109		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	106		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	102		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	98		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	99		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	94		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	118		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	106		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	112		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	106		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	106		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	104		63-120		
Batch number: N131962AA	Sample number(s): 7125530-7125531								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	73		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	100		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	78		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	98		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	109		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: 1403698

Reported: 07/18/13 at 08:07 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	102		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	100		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	110		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	115		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	92		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	92		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	99		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	94		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	109		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	126		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	104		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	108		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	104		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	98		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	96		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	105		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96		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	106		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	102		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	110		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	106		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	98		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	101		63-120		

## 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
Batch number: N131951AA Sample number(s): 7125530,7125532-7125537 UNSPK: P121206									
Benzyl Chloride	71	71	42-131	1	30				
Bromobenzene	100	100	82-115	0	30				
Bromodichloromethane	102	102	78-125	0	30				
Bromoform	80	79	48-118	2	30				
Bromomethane	102	105	47-129	2	30				
Carbon Tetrachloride	122	123	72-135	0	30				
Chlorobenzene	106	107	87-124	1	30				
Chloroethane	106	109	51-145	2	30				
2-Chloroethyl Vinyl Ether	106	108	10-151	2	30				
Chloroform	120	119	81-134	1	30				
Chloromethane	99	100	46-137	2	30				
Dibromochloromethane	94	93	74-116	1	30				
Dibromomethane	101	102	83-119	1	30				
1,2-Dichlorobenzene	99	100	84-119	1	30				
1,3-Dichlorobenzene	101	100	86-121	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: 1403698

Reported: 07/18/13 at 08:07 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
1,4-Dichlorobenzene	100	100	85-121	0	30				
Dichlorodifluoromethane	121	122	52-129	1	30				
1,1-Dichloroethane	115	116	84-129	1	30				
1,2-Dichloroethane	128	129	68-131	0	30				
1,1-Dichloroethene	113	113	75-155	1	30				
cis-1,2-Dichloroethene	109	109	80-141	1	30				
trans-1,2-Dichloroethene	114	114	81-142	0	30				
1,2-Dichloropropane	108	109	83-124	1	30				
cis-1,3-Dichloropropene	99	101	70-116	2	30				
trans-1,3-Dichloropropene	95	96	74-119	1	30				
Methylene Chloride	110	109	78-133	1	30				
1,1,1,2-Tetrachloroethane	100	99	74-136	0	30				
1,1,2,2-Tetrachloroethane	92	91	72-128	0	30				
Tetrachloroethene	116	118	80-128	1	30				
1,1,1-Trichloroethane	128	130	69-140	1	30				
1,1,2-Trichloroethane	104	103	71-141	1	30				
Trichloroethene	119	118	88-133	1	30				
Trichlorofluoromethane	131	129	64-146	1	30				
1,2,3-Trichloropropane	98	99	76-118	1	30				
Vinyl Chloride	113	114	66-133	1	30				
Batch number: N131962AA Sample number(s): 7125530-7125531 UNSPK: P123314									
Benzyl Chloride	73	74	42-131	2	30				
Bromobenzene	100	101	82-115	1	30				
Bromodichloromethane	104	104	78-125	0	30				
Bromoform	79	80	48-118	0	30				
Bromomethane	103	105	47-129	2	30				
Carbon Tetrachloride	125	124	72-135	1	30				
Chlorobenzene	107	108	87-124	0	30				
Chloroethane	107	108	51-145	1	30				
2-Chloroethyl Vinyl Ether	111	109	10-151	2	30				
Chloroform	122	121	81-134	1	30				
Chloromethane	101	100	46-137	1	30				
Dibromochloromethane	94	93	74-116	0	30				
Dibromomethane	103	103	83-119	0	30				
1,2-Dichlorobenzene	100	100	84-119	0	30				
1,3-Dichlorobenzene	101	101	86-121	0	30				
1,4-Dichlorobenzene	100	100	85-121	0	30				
Dichlorodifluoromethane	130*	126	52-129	3	30				
1,1-Dichloroethane	118	116	84-129	2	30				
1,2-Dichloroethane	132*	130	68-131	1	30				
1,1-Dichloroethene	118	116	75-155	1	30				
cis-1,2-Dichloroethene	114	113	80-141	1	30				
trans-1,2-Dichloroethene	118	115	81-142	2	30				
1,2-Dichloropropane	110	109	83-124	1	30				
cis-1,3-Dichloropropene	102	102	70-116	0	30				
trans-1,3-Dichloropropene	98	98	74-119	1	30				
Methylene Chloride	112	111	78-133	1	30				
1,1,1,2-Tetrachloroethane	101	100	74-136	1	30				
1,1,2,2-Tetrachloroethane	87	89	72-128	2	30				
Tetrachloroethene	134*	137*	80-128	2	30				
1,1,1-Trichloroethane	130	129	69-140	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: 1403698

Reported: 07/18/13 at 08:07 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
1,1,2-Trichloroethane	103	105	71-141	2	30				
Trichloroethene	122	121	88-133	1	30				
Trichlorofluoromethane	133	129	64-146	3	30				
1,2,3-Trichloropropane	99	97	76-118	3	30				
Vinyl Chloride	115	115	66-133	1	30				

### 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: N131951AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7125530	104	103	102	98
7125532	102	104	101	99
7125533	102	104	101	100
7125534	104	103	102	99
7125535	101	105	101	98
7125536	102	103	100	99
7125537	103	103	101	98
Blank	101	103	100	100
LCS	103	103	103	102
MS	104	104	101	102
MSD	103	103	102	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N131962AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7125531	104	105	100	100
Blank	103	103	101	99
LCS	104	102	101	102
MS	104	104	101	103
MSD	103	104	102	103
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.



A-12495 G-1403698 S-7125530-38  
Laboratory Management Program LaMP Chain of Custody Record R210208

Page 1 of 1

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: Karlin Plasterer				Lead Regulatory Agency: NY DEC								Address: 40 Calverton 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: D0084-0004								Phone: (716) 409-4990 Email:											
Lab Bottle Order No: 141514				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 Contractor											
BP Project Manager (PM): Bill Barber				Matrix				No. Containers / Preservative				Requested Analyses								Report Type & QC Level			
BP PM Phone: (716) 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	Comments									
	P-2	7/11/13	0910	X			Y	3	X					X									
	Plus-4		0855	X			Y	3															
	B-38		0845	X			Y	3															
	B-21		1225	X			Y	3															
	B-22		1310	X			Y	3															
	B-28		1345	X			Y	3															
	Field Dup*6			X			Y	3															
	T002		1130*	X			N	3							* T002 COLLECTED AT 11:20 PER E. FELTER-KNP 7/15/13								
Sampler's Name: Richard C Becker				Relinquished By / Affiliation								Date		Time		Accepted By / Affiliation				Date		Time	
Sampler's Company: O+M Enterprises Inc.				Richard C Becker O+M								7/11/13		1500									
Shipment Method: Fed Ex Ship Date: 7/11/13																							
Shipment Tracking No: 801301773556																C Becker				7/10/13		0920	
Special Instructions:																							
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: 3.1 °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / NO																							

G-1403698  
Environmental Sample Administration  
Receipt Documentation LogClient/Project: BPDate of Receipt: 7/12/13Time of Receipt: 0920Source Code: 50-1Shipping Container Sealed: YES NOCustody Seal Present \* : YES NO

\* Custody seal was intact unless otherwise noted in the discrepancy section

Package: 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	DT121	3.1	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

## Paperwork Discrepancy/Unpacking Problems:

Field Dup #6 labeled Field Dup #5T002 samp 1126Unpacker Signature/Emp#: C. Asher 3647Date/Time: 7/12/13 1132.

# 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>m<sup>3</sup></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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 23, 2013

Project: BP Sanborn

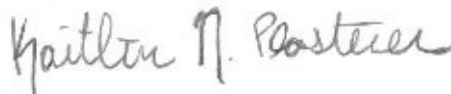
Submittal Date: 07/16/2013  
Group Number: 1404284  
PO Number: D00B4-0004  
Release Number: BARBER  
State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LL) #</u>
B-32 Water	7128195
B-45 Water	7128196
B-46 Water	7128197
B-20 Water	7128198
B-6 Water	7128199
Field Dup #7 Water	7128200
B-50 Water	7128201
B-50 Matrix Spike Water	7128202
B-50 Matrix Spike Dup Water	7128203
B-55 Water	7128204
B-54 Water	7128205
B-53 Water	7128206
B-52 Water	7128207

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323



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Project Name: BP Sanborn  
LLI Group #: 1404284

**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.

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

Batch #: L131981AA (Sample number(s): 7128196-7128199 UNSPK: P127298)

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

Batch #: L131991AA (Sample number(s): 7128200 UNSPK: P129886)

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

Sample Description: B-32 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128195  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 15:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN32

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	1.1 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	N.D.	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	43	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	31	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	4.5 J	1.0	5.0	1

## 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.

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

Sample Description: B-32 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128195  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 15:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN32

## 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	L131972AA	07/17/2013 07:41	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 07:41	Sara E Johnson	1

Sample Description: B-45 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128196  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 14:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN45

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

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-45 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128196  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 14:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN45

## 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	L131981AA	07/17/2013 18:14	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131981AA	07/17/2013 18:14	Angela D Sneeringer	1

Sample Description: B-46 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128197  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SAN46

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	49	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	10	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	2.5 J	1.0	5.0	1

## 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.

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

Sample Description: B-46 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128197  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN46

## 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	L131981AA	07/17/2013 18:36	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131981AA	07/17/2013 18:36	Angela D Sneeringer	1

Sample Description: B-20 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128198  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SAN20

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

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-20 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128198  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN20

## 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	L131981AA	07/17/2013 18:58	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131981AA	07/17/2013 18:58	Angela D Sneeringer	1

Sample Description: B-6 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128199  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN-6

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	12	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	160	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

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: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128199  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN-6

## 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	L131981AA	07/17/2013 19:20	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131981AA	07/17/2013 19:20	Angela D Sneeringer	1

Sample Description: Field Dup #7 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128200  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SANFD

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	1.2 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	6.8	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

## 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.

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

Sample Description: Field Dup #7 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128200  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SANFD

## 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	L131991AA	07/18/2013 16:57	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 16:57	Angela D Sneeringer	1

Sample Description: B-50 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128201  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SAN50

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	20	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	83	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

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-50 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128201  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN50

## 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	L131972AA	07/17/2013 01:31	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 01:31	Sara E Johnson	1

Sample Description: B-50 Matrix Spike Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128202  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN50

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	15	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	17	1.0	5.0	1
10335	Bromomethane	74-83-9	18	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10335	Chlorobenzene	108-90-7	20	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	21	0.80	5.0	1
10335	Chloromethane	74-87-3	18	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	18	1.0	5.0	1
10335	Dibromomethane	74-95-3	18	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	21	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	21	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	41	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	22	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	19	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	20	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	19	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	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	110	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	20	1.0	5.0	1

## 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.

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



Sample Description: B-50 Matrix Spike Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128202  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN50

## 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	L131972AA	07/17/2013 01:53	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 01:53	Sara E Johnson	1

Sample Description: B-50 Matrix Spike Dup Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128203  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SAN50

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	15	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	16	1.0	5.0	1
10335	Bromomethane	74-83-9	17	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	21	1.0	5.0	1
10335	Chlorobenzene	108-90-7	20	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	20	0.80	5.0	1
10335	Chloromethane	74-87-3	17	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	18	1.0	5.0	1
10335	Dibromomethane	74-95-3	18	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	20	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	20	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	21	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	39	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	22	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	19	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	19	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	19	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	20	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	19	0.80	5.0	1
10335	Trichloroethene	79-01-6	100	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	19	1.0	5.0	1

## 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.

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

Sample Description: B-50 Matrix Spike Dup Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128203  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN50

## 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	L131972AA	07/17/2013 02:14	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 02:14	Sara E Johnson	1

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

Sample Description: B-55 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128204  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN50

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

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-55 Water  
BP Sanborn COC: R210207  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128204  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN50

## 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	L131972AA	07/17/2013 02:36	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 02:36	Sara E Johnson	1

Sample Description: B-54 Water  
BP Sanborn COC: R210214  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128205  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN54

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

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-54 Water  
BP Sanborn COC: R210214  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128205  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN54

## 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	L131972AA	07/17/2013 02:58	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 02:58	Sara E Johnson	1

Sample Description: B-53 Water  
BP Sanborn COC: R210214  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128206  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN53

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	1.3 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	6.7	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

## 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.

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



Sample Description: B-53 Water  
BP Sanborn COC: R210214  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128206  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN53

## 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	L131972AA	07/17/2013 03:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 03:20	Sara E Johnson	1

Sample Description: B-52 Water  
BP Sanborn COC: R210214  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128207  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 09:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN52

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

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-52 Water  
BP Sanborn COC: R210214  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7128207  
LL Group # 1404284  
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2013 09:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SAN52

## 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	L131972AA	07/17/2013 03:42	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131972AA	07/17/2013 03:42	Sara E Johnson	1

## Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/23/13 at 03:58 PM

Group Number: 1404284

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: L131972AA Sample number(s): 7128195,7128201-7128207									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	76		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	91		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	83		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	82		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	99		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	97		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	81		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	88		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	100		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	80		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	90		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	91		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	90		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	100		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	104		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	94		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	96		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	101		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	90		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	96		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	91		70-129		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	94		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	89		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	94		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	97		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	102		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	84		63-120		
Batch number: L131981AA Sample number(s): 7128196-7128199									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	83		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	93		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	93		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	86		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	78		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	97		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: 1404284

Reported: 07/23/13 at 03:58 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>
Chlorobenzene	N.D.	0.80	5.0	ug/l	97		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	78		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	92		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	100		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	80		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	95		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		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	100		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	104		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	92		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	96		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	94		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	103		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	96		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	94		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	96		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		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	87		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	97		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	97		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	95		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	84		63-120		

Batch number: L131991AA

Sample number(s): 7128200

Benzyl Chloride	N.D.	1.0	5.0	ug/l	77		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	90		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	78		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	99		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	95		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	81		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	87		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	82		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	87		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	91		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92		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	94		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	101		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	108		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	94		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	92		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	102		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		66-124		

\*- 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: 1404284

Reported: 07/23/13 at 03:58 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>
Methylene Chloride	N.D.	2.0	5.0	ug/l	97		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	90		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		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	87		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	104		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	85		63-120		

## 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: L131972AA	Sample number(s): 7128195, 7128201-7128207 UNSPK: 7128201								
Benzyl Chloride	75	75	42-131	0	30				
Bromobenzene	95	93	82-115	2	30				
Bromodichloromethane	96	93	78-125	2	30				
Bromoform	84	81	48-118	3	30				
Bromomethane	89	86	47-129	4	30				
Carbon Tetrachloride	109	106	72-135	3	30				
Chlorobenzene	100	98	87-124	2	30				
Chloroethane	90	84	51-145	6	30				
2-Chloroethyl Vinyl Ether	88	86	10-151	3	30				
Chloroform	106	102	81-134	4	30				
Chloromethane	88	85	46-137	3	30				
Dibromochloromethane	91	89	74-116	3	30				
Dibromomethane	92	90	83-119	3	30				
1,2-Dichlorobenzene	96	95	84-119	1	30				
1,3-Dichlorobenzene	97	96	86-121	2	30				
1,4-Dichlorobenzene	97	95	85-121	2	30				
Dichlorodifluoromethane	105	101	52-129	5	30				
1,1-Dichloroethane	105	101	84-129	4	30				
1,2-Dichloroethane	106	104	68-131	1	30				
1,1-Dichloroethene	106	104	75-155	2	30				
cis-1,2-Dichloroethene	106	95	80-141	5	30				
trans-1,2-Dichloroethene	103	101	81-142	2	30				
1,2-Dichloropropane	105	103	83-124	1	30				
cis-1,3-Dichloropropene	95	94	70-116	1	30				
trans-1,3-Dichloropropene	91	90	74-119	1	30				
Methylene Chloride	99	97	78-133	2	30				
1,1,1,2-Tetrachloroethane	95	93	74-136	2	30				
1,1,2,2-Tetrachloroethane	94	93	72-128	1	30				
Tetrachloroethene	103	100	80-128	3	30				
1,1,1-Trichloroethane	92	92	69-140	1	30				
1,1,2-Trichloroethane	98	94	71-141	4	30				
Trichloroethene	116 (2)	93 (2)	88-133	4	30				
Trichlorofluoromethane	118	113	64-146	5	30				
1,2,3-Trichloropropane	94	93	76-118	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: 1404284

Reported: 07/23/13 at 03:58 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>
Vinyl Chloride	98	95	66-133	3	30			
Batch number: L131981AA Sample number(s): 7128196-7128199 UNSPK: P127298								
Benzyl Chloride	79	81	42-131	2	30			
Bromobenzene	96	97	82-115	1	30			
Bromodichloromethane	98	98	78-125	0	30			
Bromoform	85	85	48-118	0	30			
Bromomethane	87	87	47-129	0	30			
Carbon Tetrachloride	107	107	72-135	0	30			
Chlorobenzene	103	103	87-124	0	30			
Chloroethane	87	86	51-145	1	30			
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30			
Chloroform	105	105	81-134	0	30			
Chloromethane	88	89	46-137	1	30			
Dibromochloromethane	93	93	74-116	0	30			
Dibromomethane	94	93	83-119	1	30			
1,2-Dichlorobenzene	97	98	84-119	1	30			
1,3-Dichlorobenzene	99	99	86-121	0	30			
1,4-Dichlorobenzene	98	99	85-121	1	30			
Dichlorodifluoromethane	102	102	52-129	1	30			
1,1-Dichloroethane	102	104	84-129	2	30			
1,2-Dichloroethane	106	106	68-131	0	30			
1,1-Dichloroethene	87	88	75-155	1	30			
cis-1,2-Dichloroethene	99	99	80-141	0	30			
trans-1,2-Dichloroethene	97	97	81-142	0	30			
1,2-Dichloropropane	108	108	83-124	0	30			
cis-1,3-Dichloropropene	98	99	70-116	1	30			
trans-1,3-Dichloropropene	95	95	74-119	0	30			
Methylene Chloride	94	95	78-133	1	30			
1,1,1,2-Tetrachloroethane	98	97	74-136	1	30			
1,1,2,2-Tetrachloroethane	95	97	72-128	2	30			
Tetrachloroethene	104	104	80-128	0	30			
1,1,1-Trichloroethane	99	99	69-140	0	30			
1,1,2-Trichloroethane	100	99	71-141	1	30			
Trichloroethene	105	106	88-133	1	30			
Trichlorofluoromethane	115	113	64-146	1	30			
1,2,3-Trichloropropane	94	95	76-118	1	30			
Vinyl Chloride	96	97	66-133	1	30			
Batch number: L131991AA Sample number(s): 7128200 UNSPK: P129886								
Benzyl Chloride	78	76	42-131	3	30			
Bromobenzene	96	94	82-115	3	30			
Bromodichloromethane	100	96	78-125	4	30			
Bromoform	82	79	48-118	3	30			
Bromomethane	93	93	47-129	0	30			
Carbon Tetrachloride	116	110	72-135	5	30			
Chlorobenzene	103	99	87-124	4	30			
Chloroethane	91	89	51-145	1	30			
2-Chloroethyl Vinyl Ether	86	87	10-151	1	30			
Chloroform	111	106	81-134	5	30			
Chloromethane	91	90	46-137	2	30			
Dibromochloromethane	93	88	74-116	5	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: 1404284

Reported: 07/23/13 at 03:58 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
Dibromomethane	96	93	83-119	3	30				
1,2-Dichlorobenzene	98	94	84-119	4	30				
1,3-Dichlorobenzene	100	96	86-121	4	30				
1,4-Dichlorobenzene	100	95	85-121	5	30				
Dichlorodifluoromethane	113	112	52-129	2	30				
1,1-Dichloroethane	113	109	84-129	3	30				
1,2-Dichloroethane	117	111	68-131	5	30				
1,1-Dichloroethene	111	107	75-155	3	30				
cis-1,2-Dichloroethene	108	114	80-141	5	30				
trans-1,2-Dichloroethene	109	105	81-142	4	30				
1,2-Dichloropropane	109	106	83-124	3	30				
cis-1,3-Dichloropropene	99	96	70-116	2	30				
trans-1,3-Dichloropropene	95	93	74-119	2	30				
Methylene Chloride	105	100	78-133	5	30				
1,1,1,2-Tetrachloroethane	99	95	74-136	4	30				
1,1,2,2-Tetrachloroethane	95	93	72-128	3	30				
Tetrachloroethene	108	103	80-128	5	30				
1,1,1-Trichloroethane	102	98	69-140	4	30				
1,1,2-Trichloroethane	98	97	71-141	1	30				
Trichloroethene	129	177*	88-133	19	30				
Trichlorofluoromethane	125	122	64-146	2	30				
1,2,3-Trichloropropane	94	94	76-118	0	30				
Vinyl Chloride	99	99	66-133	0	30				

### 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: L131972AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7128195	99	101	101	100
7128201	100	102	101	99
7128202	100	102	102	100
7128203	100	101	102	100
7128204	101	101	100	100
7128205	100	102	100	99
7128206	101	102	100	98
7128207	101	102	101	99
Blank	100	101	100	99
LCS	99	100	102	101
MS	100	102	102	100
MSD	100	101	102	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260

\*- 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: 1404284

Reported: 07/23/13 at 03:58 PM

### Surrogate Quality Control

Batch number: L131981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7128196	101	102	100	99
7128197	101	102	100	99
7128198	102	102	101	99
7128199	100	102	100	99
Blank	99	101	101	101
LCS	99	100	102	100
MS	99	99	102	101
MSD	98	99	102	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: L131991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7128200	102	102	101	99
Blank	100	102	101	101
LCS	100	99	103	102
MS	101	101	103	103
MSD	100	100	103	102
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.



A-12495 G-1404284 S-712895-8208  
Laboratory Management Program LaMP Chain of Custody Record R210207

Page 1 of 2

BP Site Node Path: BP, Sarborn  
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>2210 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike, Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sarborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kathin 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>D0084-0004</u>	Phone: <u>(716) 467-4990</u> Email: _____
Lab Bottle Order No: <u>141514</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Corrine W. W.</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>(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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken O&amp;M</u>	Date: <u>7/15/13</u>	Time: <u>1545</u>	Accepted By / Affiliation: <u>CEBler LCI</u>	Date: <u>7/16/13</u>	Time: <u>0920</u>
Sampler's Company: <u>O&amp;M Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/15/13</u>						
Shipment Tracking No: <u>898635849520</u>						

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

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.1 °F | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP Remediation Management COC - Effective Date: starting August 16, 2011. Use for Remediation Management projects only BP LaMP COC Rev. 8, 24 June 2012



A-12495 Gr 1404284  
**Laboratory Management Program LaMP Chain of Custody Record** R210214

S-7128195-8208  
Page 2 of 2

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: <u>Lancaster 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>Sanborn, NY 14132</u>				Consultant/Contractor Project No:								
Lab PM: <u>Kathlin Plasterer</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 Lakinere 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>D00B4-0004</u>				Phone: <u>(716) 407-4990</u> Email:								
Lab Bottle Order No: <u>141514</u>				Accounting Mode: <u>10</u> Provision <u>  </u> OOC-BU <u>  </u> OOC-RM <u>  </u>				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> Contractor <u>  </u>								
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 <u>  </u>				
BP PM Email:												Full Data Package <u>  </u>				
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	Comments  Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
	B-54	7/15/13	1115	X			Y	3	X					X		
	B-53	7/15/13	0945	X			Y	3	X					X		
	B-52	7/15/13	0900	X			Y	3	X					X		
Sampler's Name: <u>Richard C Becker</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time	
Sampler's Company: <u>O+M Enterprises Inc.</u>				<u>Richard C Becker O+M</u>				<u>7/15/13</u>	<u>1545</u>							
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/15/13</u>																
Shipment Tracking No: <u>898635849520</u>														<u>7/16/13</u>	<u>0920</u>	
Special Instructions:																
THIS LINE - LAB USE ONLY: Custody Seals In Place: <u>  </u> Yes / No <u>  </u> Temp Blank: <u>  </u> Yes / No <u>  </u> Cooler Temp on Receipt: <u>3.1</u> °F(C) <u>  </u> Trip Blank: <u>  </u> Yes / No <u>  </u> MS/MSD Sample Submitted: <u>  </u> Yes / No <u>  </u>																

Environmental Sample Administration  
Receipt Documentation LogClient/Project: BPShipping Container Sealed: YES NODate of Receipt: 7/16/13Custody 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	Comments
1	DT121	3.1	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

Paperwork Discrepancy/Unpacking Problems:

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Unpacker Signature/Emp#: CEH 3647 Date/Time: 7/16/13 1122

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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## U.S. EPA CLP Data Qualifiers:

### Organic Qualifiers

<b>A</b>	TIC is a possible aldol-condensation product
<b>B</b>	Analyte was also detected in the blank
<b>C</b>	Pesticide result confirmed by GC/MS
<b>D</b>	Compound quantitated on a diluted sample
<b>E</b>	Concentration exceeds the calibration range of the instrument
<b>N</b>	Presumptive evidence of a compound (TICs only)
<b>P</b>	Concentration difference between primary and confirmation columns $>25\%$
<b>U</b>	Compound was not detected
<b>X,Y,Z</b>	Defined in case narrative

### Inorganic Qualifiers

<b>B</b>	Value is $<$ CRDL, but $\geq$ IDL
<b>E</b>	Estimated due to interference
<b>M</b>	Duplicate injection precision not met
<b>N</b>	Spike sample not within control limits
<b>S</b>	Method of standard additions (MSA) used for calculation
<b>U</b>	Compound was not detected
<b>W</b>	Post digestion spike out of control limits
<b>*</b>	Duplicate analysis not within control limits
<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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

## ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental  
2425 New Holland Pike  
Lancaster, PA 17601

Prepared for:

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

July 23, 2013

Project: BP Sanborn

Submittal Date: 07/17/2013

Group Number: 1404728

PO Number: D00B4-0004

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionField Dup #8 Water  
B-57 Water  
B-56 Water  
B-56 Matrix Spike Water  
B-56 Matrix Spike Dup Water  
B-23 Water  
B-29 Water  
B-33 Water  
B-24 Water  
B-58 WaterLancaster Labs (LL) #7129884  
7129885  
7129886  
7129887  
7129888  
7129889  
7129890  
7129891  
7129892  
7129893

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

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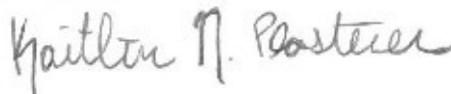
Attn: George Hermance

Attn: Lorraine Weber

Attn: Eric Felter

Attn: Doug Taylor

Respectfully Submitted,



Kaitlin N. Plasterer  
Specialist

(717) 556-7323

Project Name: BP Sanborn  
LLI Group #: 1404728

**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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 C.

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

Batch #: L131991AA (Sample number(s): 7129884-7129893 UNSPK: 7129886)

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



Sample Description: Field Dup #8 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129884  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

FDUP8

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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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: Field Dup #8 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129884  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

FDUP8

## 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	L131991AA	07/18/2013 13:38	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 13:38	Angela D Sneeringer	1

Sample Description: B-57 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129885  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SB-57

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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-57 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129885  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-57

## 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	L131991AA	07/18/2013 14:00	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 14:00	Angela D Sneeringer	1

Sample Description: B-56 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129886  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-56

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	4.6 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	21	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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-56 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129886  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-56

## 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	L131991AA	07/18/2013 12:10	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 12:10	Angela D Sneeringer	1

Sample Description: B-56 Matrix Spike Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129887  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-56

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	16	1.0	5.0	1
10335	Bromobenzene	108-86-1	19	1.0	5.0	1
10335	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10335	Bromoform	75-25-2	16	1.0	5.0	1
10335	Bromomethane	74-83-9	19	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10335	Chlorobenzene	108-90-7	21	0.80	5.0	1
10335	Chloroethane	75-00-3	18	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	18	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	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	23	2.0	5.0	1
10335	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10335	1,2-Dichloroethane	107-06-2	23	1.0	5.0	1
10335	1,1-Dichloroethene	75-35-4	22	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	22	0.80	5.0	1
10335	1,2-Dichloropropane	78-87-5	22	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	19	1.0	5.0	1
10335	Methylene Chloride	75-09-2	21	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	22	0.80	5.0	1
10335	1,1,1-Trichloroethane	71-55-6	20	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10335	Trichloroethene	79-01-6	47	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	25	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	20	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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-56 Matrix Spike Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129887  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-56

## 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	L131991AA	07/18/2013 12:32	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 12:32	Angela D Sneeringer	1



Sample Description: B-56 Matrix Spike Dup Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129888  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-56

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	15	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	16	1.0	5.0	1
10335	Bromomethane	74-83-9	19	1.0	5.0	1
10335	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10335	Chlorobenzene	108-90-7	20	0.80	5.0	1
10335	Chloroethane	75-00-3	18	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	21	0.80	5.0	1
10335	Chloromethane	74-87-3	18	1.0	5.0	1
10335	Dibromochloromethane	124-48-1	18	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	22	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	22	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	27	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	19	1.0	5.0	1
10335	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10335	Methylene Chloride	75-09-2	20	2.0	5.0	1
10335	1,1,1,2-Tetrachloroethane	630-20-6	19	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	20	0.80	5.0	1
10335	1,1,2-Trichloroethane	79-00-5	19	0.80	5.0	1
10335	Trichloroethene	79-01-6	57	1.0	5.0	1
10335	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
10335	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10335	Vinyl Chloride	75-01-4	20	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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-56 Matrix Spike Dup Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129888  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-56

## 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	L131991AA	07/18/2013 12:54	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 12:54	Angela D Sneeringer	1

Sample Description: B-23 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129889  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-23

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	3.4 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	0.91 J	0.80	5.0	1
10335	cis-1,2-Dichloroethene	156-59-2	190	0.80	5.0	1
10335	trans-1,2-Dichloroethene	156-60-5	2.2 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	1.4 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	170	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	9.3	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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-23 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129889  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-23

## 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	L131991AA	07/18/2013 14:22	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 14:22	Angela D Sneeringer	1

Sample Description: B-29 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129890  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 09:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-29

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	0.93 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	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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-29 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129890  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 09:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-29

## 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	L131991AA	07/18/2013 14:44	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 14:44	Angela D Sneeringer	1

Sample Description: B-33 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129891  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-33

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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-33 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129891  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-33

## 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	L131991AA	07/18/2013 15:07	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 15:07	Angela D Sneeringer	1



Sample Description: B-24 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129892  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd

Houston TX 77079

SB-34

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	1.9 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	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	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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-24 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129892  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-34

## 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	L131991AA	07/18/2013 15:29	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 15:29	Angela D Sneeringer	1

Sample Description: B-58 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129893  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-58

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 7.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.4-12.2 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-58 Water  
BP Sanborn COC: 192479  
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7129893  
LL Group # 1404728  
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2013 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/17/2013 09:20

BP Corporation

Reported: 07/23/2013 15:58

501 WestLake Park Blvd  
Houston TX 77079

SB-58

## 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	L131991AA	07/18/2013 15:51	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L131991AA	07/18/2013 15:51	Angela D Sneeringer	1

**Quality Control Summary**Client Name: Atlantic Richfield(Parsons-NY)  
Reported: 07/23/13 at 03:58 PM

Group Number: 1404728

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: L131991AA	Sample number(s): 7129884-7129893								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	77		49-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	90		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	78		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		51-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	99		65-137		
Chlorobenzene	N.D.	0.80	5.0	ug/l	95		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	81		60-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	87		52-127		
Chloroform	N.D.	0.80	5.0	ug/l	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	82		54-123		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	87		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	91		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92		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	94		35-122		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	101		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	108		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	94		76-124		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	92		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	102		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		66-124		
Methylene Chloride	N.D.	2.0	5.0	ug/l	97		84-118		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	90		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		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	87		66-126		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	104		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	85		63-120		

**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

\*- 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: 07/23/13 at 03:58 PM

Group Number: 1404728

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L131991AA	Sample number(s): 7129884-7129893 UNSPK: 7129886								
Benzyl Chloride	78	76	42-131	3	30				
Bromobenzene	96	94	82-115	3	30				
Bromodichloromethane	100	96	78-125	4	30				
Bromoform	82	79	48-118	3	30				
Bromomethane	93	93	47-129	0	30				
Carbon Tetrachloride	116	110	72-135	5	30				
Chlorobenzene	103	99	87-124	4	30				
Chloroethane	91	89	51-145	1	30				
2-Chloroethyl Vinyl Ether	86	87	10-151	1	30				
Chloroform	111	106	81-134	5	30				
Chloromethane	91	90	46-137	2	30				
Dibromochloromethane	93	88	74-116	5	30				
Dibromomethane	96	93	83-119	3	30				
1,2-Dichlorobenzene	98	94	84-119	4	30				
1,3-Dichlorobenzene	100	96	86-121	4	30				
1,4-Dichlorobenzene	100	95	85-121	5	30				
Dichlorodifluoromethane	113	112	52-129	2	30				
1,1-Dichloroethane	113	109	84-129	3	30				
1,2-Dichloroethane	117	111	68-131	5	30				
1,1-Dichloroethene	111	107	75-155	3	30				
cis-1,2-Dichloroethene	108	114	80-141	5	30				
trans-1,2-Dichloroethene	109	105	81-142	4	30				
1,2-Dichloropropane	109	106	83-124	3	30				
cis-1,3-Dichloropropene	99	96	70-116	2	30				
trans-1,3-Dichloropropene	95	93	74-119	2	30				
Methylene Chloride	105	100	78-133	5	30				
1,1,1,2-Tetrachloroethane	99	95	74-136	4	30				
1,1,2,2-Tetrachloroethane	95	93	72-128	3	30				
Tetrachloroethene	108	103	80-128	5	30				
1,1,1-Trichloroethane	102	98	69-140	4	30				
1,1,2-Trichloroethane	98	97	71-141	1	30				
Trichloroethene	129	177*	88-133	19	30				
Trichlorofluoromethane	125	122	64-146	2	30				
1,2,3-Trichloropropane	94	94	76-118	0	30				
Vinyl Chloride	99	99	66-133	0	30				

## 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: L131991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7129884	101	100	101	99
7129885	102	102	101	99
7129886	101	101	101	99
7129887	101	101	103	103
7129888	100	100	103	102
7129889	103	105	102	99

\*- 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: 1404728

Reported: 07/23/13 at 03:58 PM

### Surrogate Quality Control

7129890	103	101	101	99
7129891	102	103	101	99
7129892	102	103	101	99
7129893	102	103	100	98
Blank	100	102	101	101
LCS	100	99	103	102
MS	101	101	103	103
MSD	100	100	103	102
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.

BP/ARC Project Name: BP, Samborn NY  
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>2046 Cory 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 14182</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Kaitlin Plasterer</u>	Lead Regulatory Agency: <u>NYSDC</u>	Address: <u>40 LaRiviere Dr. Suite 380 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>141514</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Webster</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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											

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 own</u>	<u>7/16/13</u>	<u>1930</u>	<u>1</u>		
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/16/13</u>						
Shipment Tracking No: <u>801301780411</u>				<u>Cashley LI</u>	<u>7/17/13</u>	<u>0920</u>

**Special Instructions:**

THIS LINE - LAB USE ONLY: Custody Seals In Place: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cooler Temp on Receipt: <u>7.4</u> °F	Trip Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	MS/MSD Sample Submitted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
---	---	---------------------------------------	---	--



Environmental Sample Administration  
Receipt Documentation LogClient/Project: BPShipping Container Sealed: YES NODate of Receipt: 7/17/13Custody 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	Comments
1	DT121	7.4	TB	WI	Y	B	ST 1396 9.4 11.2 12.2 11.3 11.2
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 3

## Paperwork Discrepancy/Unpacking Problems:

TB not near ice

cooler only had 1 bag of ice on top

Unpacker Signature/Emp#: CEH 3647 Date/Time: 7/17/13 1106

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>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 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.		

## Data Qualifiers:

**C** – result confirmed by reanalysis.

**J** - estimated value – The result is  $\geq$  the Method Detection Limit (MDL) and  $<$  the Limit of Quantitation (LOQ).

## 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC 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 EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL 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 Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

**APPENDIX C**

**WATER QUALITY DATABASE**  
**JANUARY 2001 THROUGH SEPTEMBER 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-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	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
07/08/2013	7120727	8260	ND	ND	1.7 J	1.2 J	ND	2.8 J	160	1.1 J	100	ND	22	288.8

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: 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
07/08/2013	7120735	8260	ND	ND	1.3 J	0.81 J	ND	5.0	89	ND	28	ND	10	134.11

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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
07/09/2013	7122572	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	25	ND	ND	28.4

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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## 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:

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# 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
07/15/2013	7128199	8260	ND	ND	ND	ND	ND	ND	12	ND	160	ND	ND	172

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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- 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
07/09/2013	7122567	8260	ND	ND	ND	ND	ND	ND	0.94 J	ND	5.2	ND	ND	6.14

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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- 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	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
07/19/2004	A4682701	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
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

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- 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
07/02/2013	7117030	8260	ND	ND	ND	ND	ND	ND	770	ND	21000	ND	18 J	21788

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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
07/02/2013	7117034	8260	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	ND	3.2

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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: 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	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
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
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
07/02/2013	7117035	8260	ND	ND	ND	ND	ND	ND	3.2 J	2.1 J	28	ND	ND	33.3

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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.
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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
07/02/2013	7117036	8260	ND	ND	ND	ND	ND	ND	4.3 J	ND	81	4.4 J	ND	89.7

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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
07/09/2013	7122571	8260	ND	ND	4.7 J	1.8 J	ND	2.1 J	80	8.8	490	ND	ND	587.4

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

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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-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
07/08/2013	7120723	8260	ND	ND	26	5.2	ND	4.2 J	460	4.2 J	610	1.5 J	17	1128.1

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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-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
07/09/2013	7122569	8260	ND	ND	ND	ND	ND	ND	28	ND	54	ND	ND	82

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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-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
07/10/2013	7123810	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-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
07/09/2013	7122570	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-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

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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
07/08/2013	7120732	8260	ND	ND	76	47	ND	51	10000	14	5200	4.1 J	1200	16592.1

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-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
07/02/2013	7117032	8260	ND	ND	ND	ND	ND	ND	6.8	ND	29	ND	1.7 J	37.5

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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-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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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-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
07/08/2013	7120734	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	ND	ND	2.9

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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
07/15/2013	7128198	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-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-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethene (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	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
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
07/11/2013	7125533	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-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	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
07/11/2013	7125534	8260	ND	ND	1.2 J	ND	ND	5.7	150	ND	53	ND	ND	209.9

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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
07/16/2013	7129889	8260	ND	ND	3.4 J	0.91 J	ND	2.2 J	190	1.4 J	170	ND	9.3	377.21

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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
07/16/2013	7129892	8260	ND	ND	ND	ND	ND	ND	1.9 J	ND	3.7 J	ND	ND	5.6

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:

- 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
07/09/2013	7122565	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- 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)
04/07/2010	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
07/11/2013	7125535	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-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
07/16/2013	7129890	8260	ND	ND	ND	ND	ND	ND	0.93 J	ND	ND	ND	ND	0.93

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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
07/09/2013	7122566	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	3.4

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-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
07/15/2013	7128195	8260	ND	ND	1.1 J	ND	ND	1.4 J	43	ND	31	ND	4.5 J	81

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-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
07/16/2013	7129891	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-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

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-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

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-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

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-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

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-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
07/11/2013	7125532	8260	ND	ND	1.6 J	0.94 J	ND	1.4 J	60	ND	52	ND	1.9 J	117.84

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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: 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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- 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
07/02/2013	7117041	8260	ND	ND	ND	ND	ND	ND	1.8 J	ND	6.8	ND	ND	8.6

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
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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	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
07/16/2004	A4674201	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
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
07/02/2013	7117040	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	2.6 J	ND	ND	5.2

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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-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
07/02/2013	7117037	8260	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	5.7

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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-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
07/08/2013	7120728	8260	ND	ND	ND	ND	ND	ND	4.9 J	ND	3.2 J	ND	ND	8.1

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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-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	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
07/08/2013	7120729	8260	ND	ND	ND	ND	ND	ND	5.0	ND	2.4 J	ND	1.5 J	8.9

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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

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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: 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
07/08/2013	7120733	8260	ND	ND	7.7	ND	ND	ND	10	ND	4.5 J	ND	5.1	27.3

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# 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
07/15/2013	7128196	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-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
07/15/2013	7128197	8260	ND	ND	ND	ND	ND	ND	49	ND	10	ND	2.5 J	61.5

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## 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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# 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
07/09/2013	7122577	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2

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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: 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- 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)
04/14/2010	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
07/09/2013	7122574	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	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
07/20/2004	A4682801	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
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
07/15/2013	7128201	8260	ND	ND	ND	ND	ND	1.4 J	20	ND	83	ND	ND	104.4

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-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
07/15/2013	7128207	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-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
07/15/2013	7128206	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	6.7	ND	ND	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: 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
07/15/2013	7128205	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
07/15/2013	7128204	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-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-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (TCE) (ug/L)	Tetrachloroethene (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
07/16/2013	7129886	8260	ND	ND	ND	ND	ND	ND	4.6 J	ND	21	ND	ND	25.6

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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:

- 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-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

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-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)
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
07/16/2013	7129885	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
07/16/2013	7129893	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-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	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
07/10/2013	7123808	8260	ND	ND	ND	ND	ND	ND	0.90 J	ND	ND	ND	ND	0.9

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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-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
07/10/2013	7123811	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
07/10/2013	7123809	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
07/10/2013	7123803	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
07/10/2013	7123802	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-64M

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	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
07/10/2013	7123804	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:

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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
07/10/2013	7123805	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-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
07/10/2013	7123806	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-67M

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	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
07/10/2013	7123807	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.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

# 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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# 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)	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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# 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
07/11/2013	7125530	8260	ND	ND	77	21	ND	9.1	780	530	8700	1.3 J	44	10162.4

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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: 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

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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: 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
07/08/2013	7120726	8260	ND	ND	ND	ND	ND	3.7 J	100	ND	2.2 J	ND	1.6 J	107.5

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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-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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- 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-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
07/09/2013	7122573	8260	ND	ND	39	8.4 J	ND	7.8 J	700	18 J	2500	ND	16 J	3289.2

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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-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

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: 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)
01/13/2009	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
07/08/2013	7120731	8260	ND	ND	2.6 J	1.5 J	ND	2.0 J	260	1.1 J	660	ND	14	941.2

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.
- 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-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.

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: 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

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: 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
07/02/2013	7117031	8260	ND	ND	ND	ND	ND	ND	120	ND	410	5.1	2.7 J	537.8

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: 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
07/11/2013	7125531	8260	ND	ND	1.2 J	ND	ND	ND	44	1.5 J	2.0 J	ND	3.0 J	51.7

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:	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

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: 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
07/11/2013	7125537	8260	ND	ND	18 J	ND	ND	ND	300	ND	580	ND	15 J	913

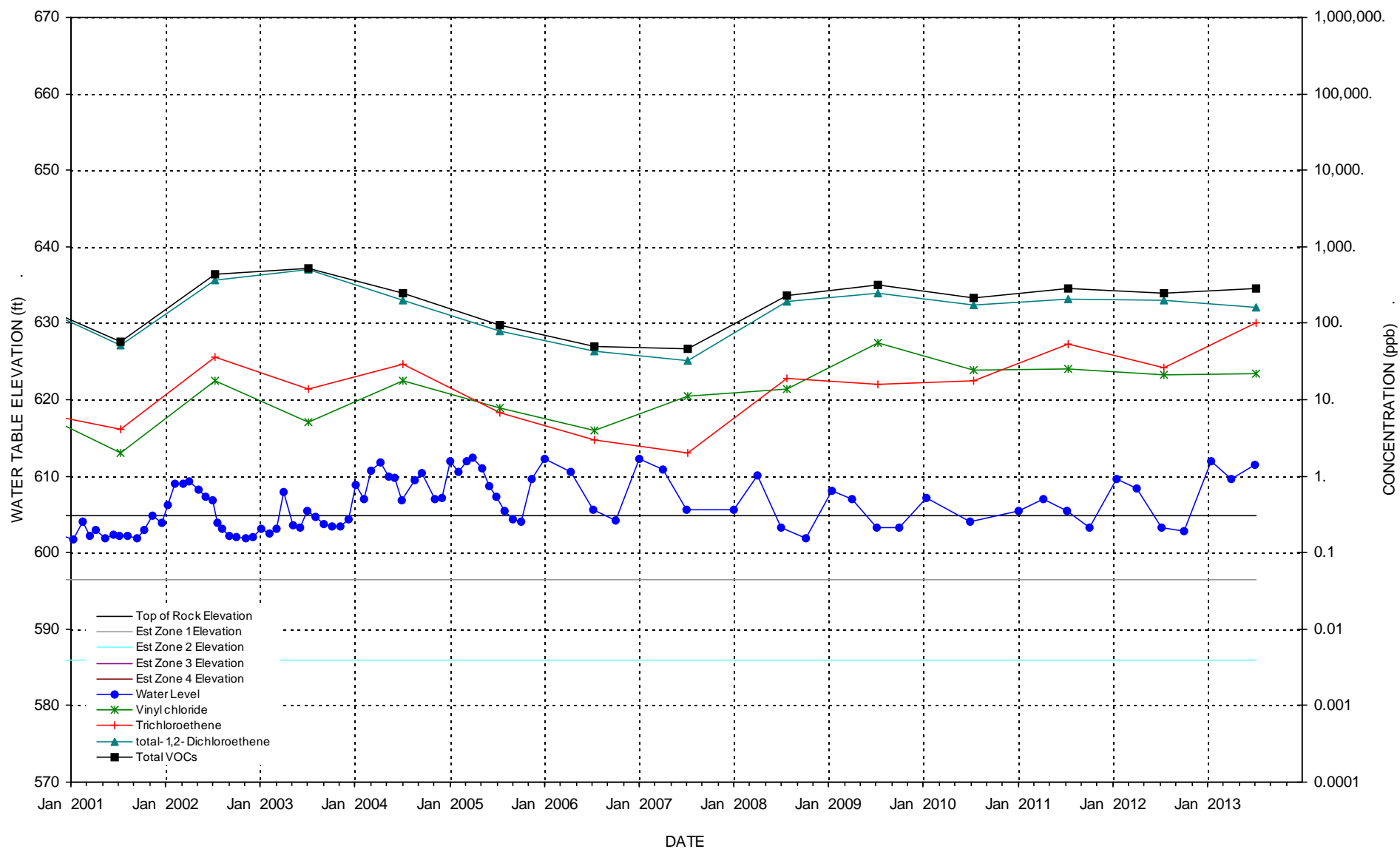
ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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.

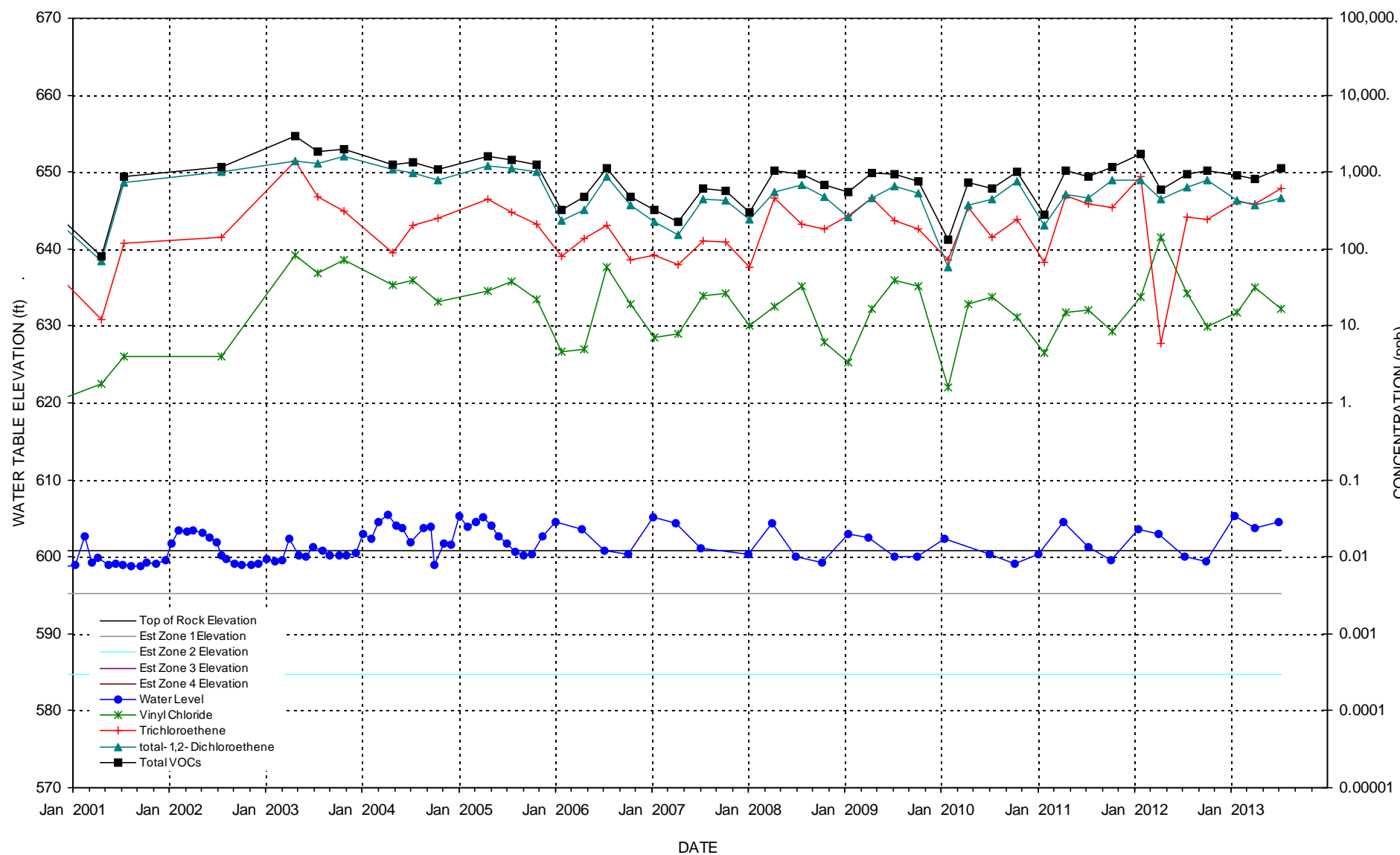
## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 3M



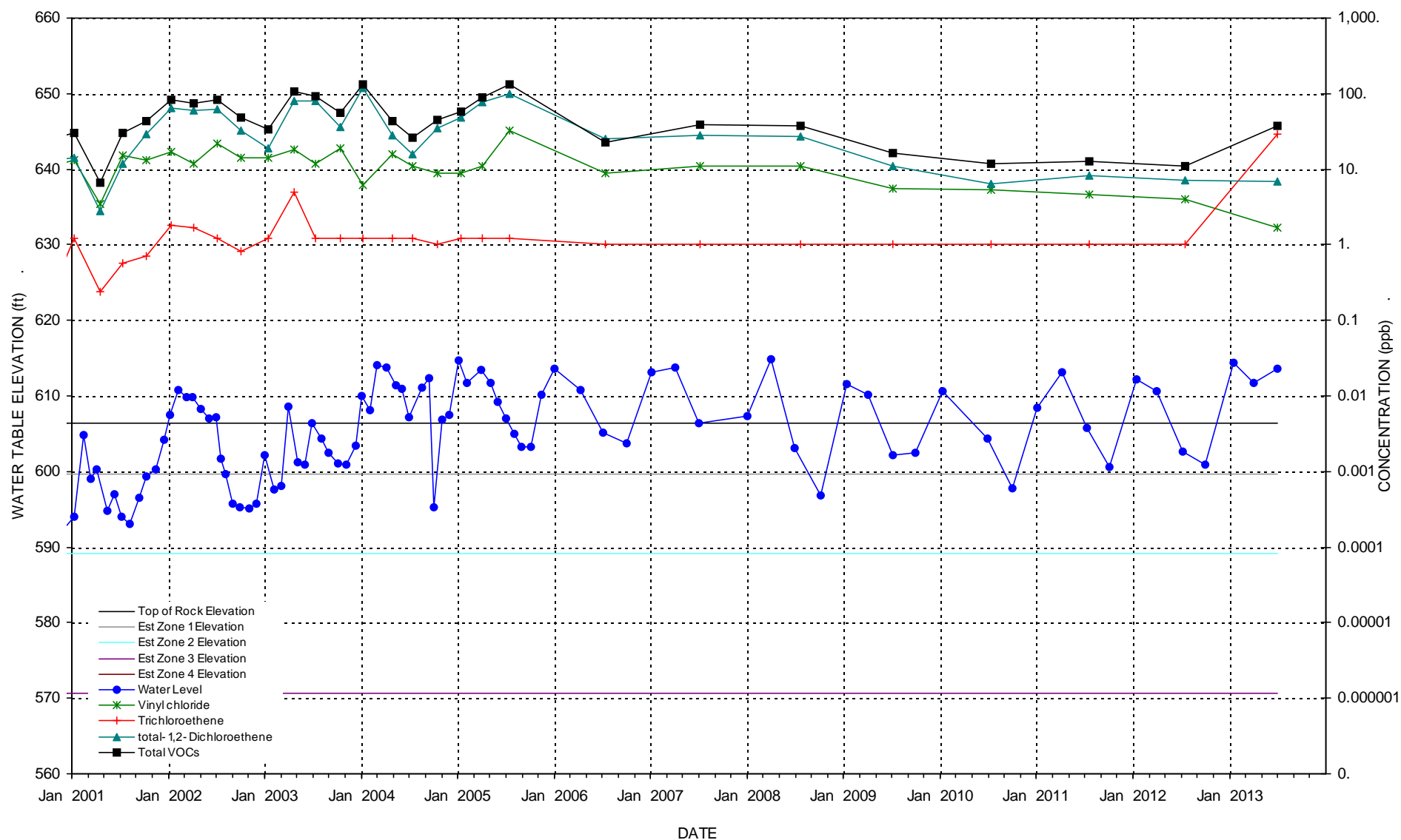
# WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

## WELL B-13M



# WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

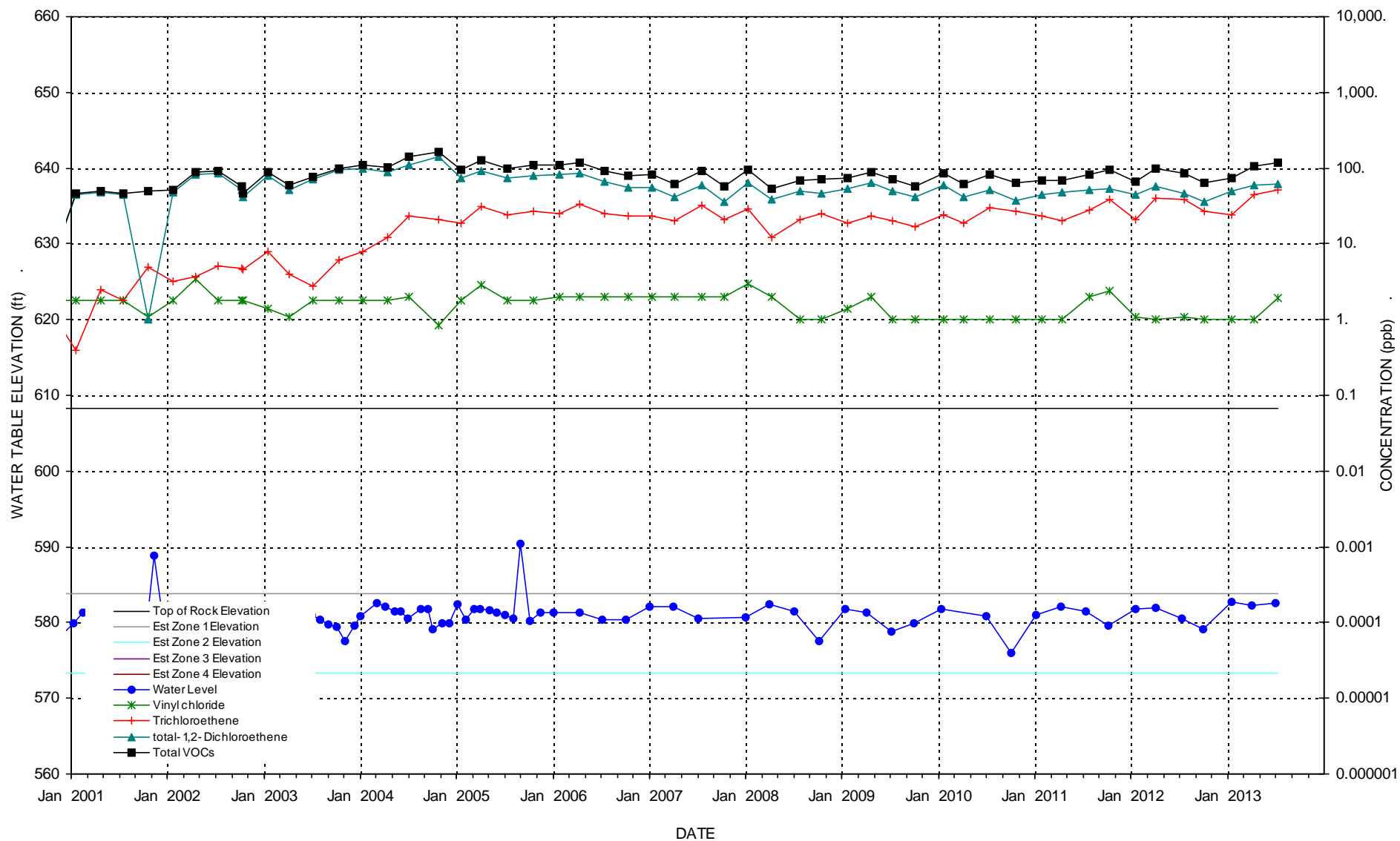
## WELL B-18M





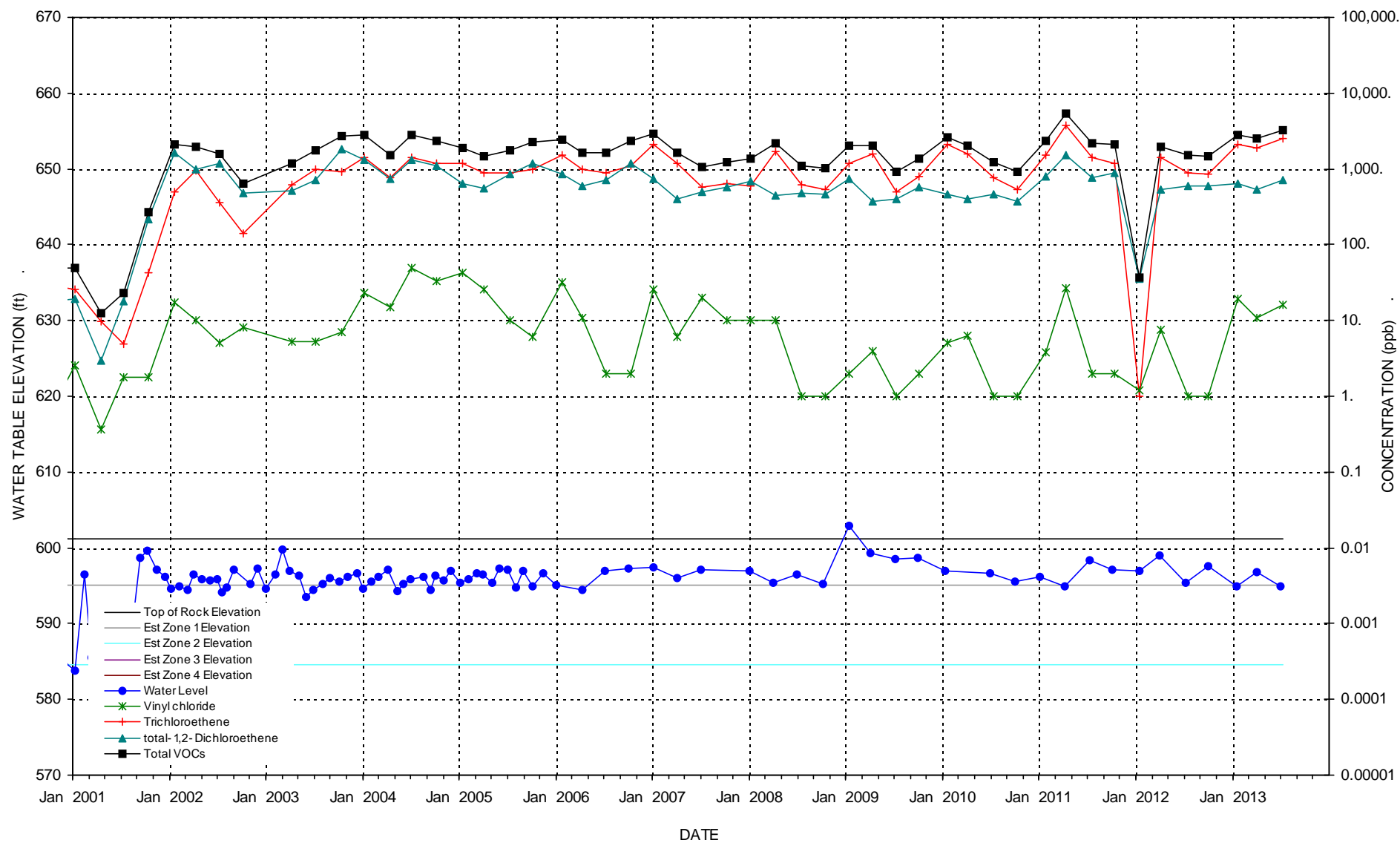
## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL B-38M



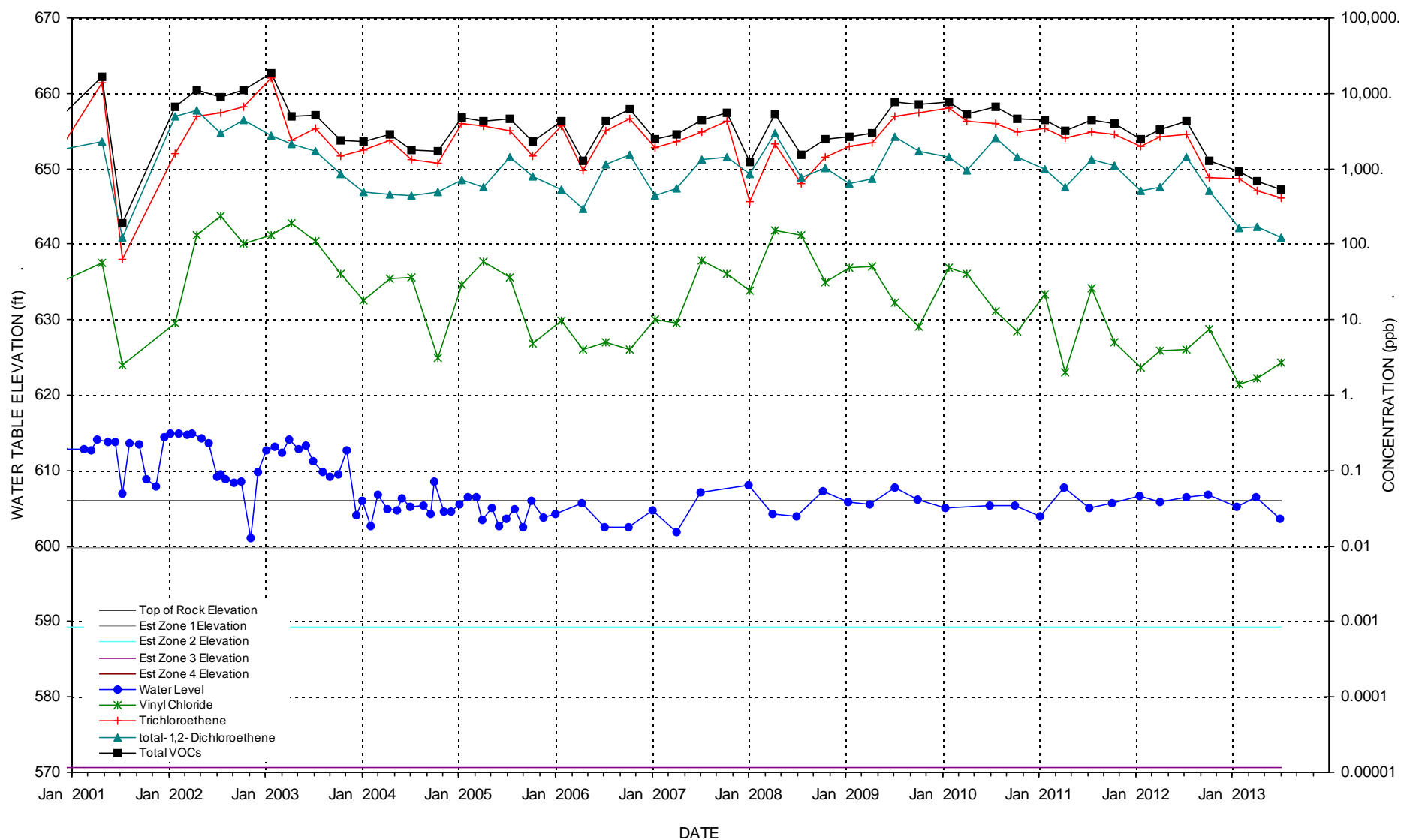
## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

WELL P-4



## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

PW-3 (former DNAPL Sump)



## WATER LEVELS &amp; CHLORINATED SOLVENT CONCENTRATIONS

PW-4

