THIRD QUARTER 2012 MONITORING REPORT

Former Carborundum Facility
2040 Cory Drive
Village of Sanborn, Town of Wheatfield, Niagara County, New York

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 49th Street
MBC 3-147
Cuyahoga Heights, Ohio 44125

Prepared by:

PARSONS

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BUFFALO, NEW YORK 14202

November 2012

Third Quarter 2012 Monitoring Report For:

GROUNDWATER REMEDIATION PROGRAM
AT THE
FORMER CARBORUNDUM FACILITY

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November 2012

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THIRD QUARTER 2012 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 2012 groundwater sampling event and provides a summary of the OM&M activities completed between July 1 and September 30, 2012.

The July 2012 groundwater sampling event included static water level measurements prior to purging, and the collection of groundwater samples from 54 monitoring wells and six recovery wells in accordance with the NYSDEC-approved (October 2005, amended 2009) sampling program. Two wells scheduled to be sampled this period (B-14M and B-19M) were not sampled this quarter because the wells were dry. All samples were submitted to Lancaster Laboratories, Inc., a New York State Department of Health certified laboratory, for volatile organic compound (VOC) analysis. The locations of the wells sampled 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 9, 2012, 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 2012 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 10 and July 19, 2012. 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. 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 also analyzed for VOCs only.

All VOC samples were placed in pre-cleaned, labeled 40-ml glass vials provided by Lancaster Laboratories. 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 2012 sampling event were submitted to Lancaster Laboratories 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, plotted on a Site map. The sample results have been incorporated into the project water quality database. A historical summary (January 2001 through September 2012) is provided in Appendix C.

Results for the third quarter groundwater sampling were generally consistent with previous results. Comments are noted below for wells where trends are being evaluated. The wells include B-8M, B-11M, B-13M, B-26M, B-32M, B-41M, B-44M, P-4, and PW-1. Time series plots showing the historical and current analytical data for the wells noted below have been included in Appendix C.

- B-8M: 1,1-DCE (32 ug/L), trans-DCE (36 ug/L), PCE (11 ug/L), and VC (340 ug/L) were elevated during this sampling event. 1,1-DCE, trans-DCE, and PCE were the highest historically observed, while VC was the third highest. 1,1-DCE has ranged from ND to 20 ug/L previously, trans-DCE has ranged ND to 32 ug/L previously, and PCE has ranged from ND to 6.6 ug/L. This well will be sampled in October 2012 to further evaluate potential trends.

- B-11M: After an increase in concentration occurring in 2005, concentrations of total VOCs, cis-DCE, and TCE were either the lowest or close to the lowest observed at this location. This well is sampled annually in July.

- B-13M: Vinyl chloride concentration is at 27 ug/L and TCE is at 260 ug/L. In the past 10 years, vinyl chloride has ranged from ND to 82 ug/L; TCE has ranged from 59 to 1,400 ug/L. B-13M has been included in this discussion based on anomalous results for vinyl chloride and TCE observed in April 2012. Based on the Time Series Plot in Appendix C, the current results are similar to historical variations. This well is part of the quarterly monitoring program.

- B-26M: The spike of TCE that occurred in July of 2011 decreased to ND the next sampling round (January 2012) and remained ND in April and July 2012, which is consistent with previous TCE results in this well.

- B-32M: Previously observed elevated levels of TCE have returned to within the lower end of the range typically observed at this location. This location will be sampled next during the July 2013 groundwater sampling event.

- B-41M: Concentrations of TCE (ND) and cis-DCE (5.8 ug/L) in July 2012 have returned to levels typical of those historically observed. TCE had increased to 10 ug/L from 5.8 ug/L in April 2012. These two readings follow a series of ND. Consequently the Total VOCs value is at historical high since the spike that occurred in 2001. The April 2012 increase in Total VOCs appears to be primarily related to the increase in TCE over the two previous sampling events. This well will be sampled again in October 2012 to confirm the recent TCE results.

- B-44M: Total VOCs (134.7 ug/L), TCE (68 ug/L), and cis-DCE (53 ug/L) had spiked during the previous sampling event (April 2012). The analytical results indicate that these anomalous results have returned to the range typically observed during the July 2012 sampling event: Total VOCs (22.1 ug/L), TCE (3.2 ug/L), and cis-DCE (6.5 ug/L). This well is scheduled to be sampled quarterly and the return of concentrations to the range typically observed will be confirmed with the October data.

- Total VOCs observed at recovery well P-4 in January 2012 were anomalously low (37.3 ug/L). Analytical results for April 2012 total VOCs (1,982 ug\L) showed a

return to historical range (1,000 to 3,000 ug/L). July 2012 analytical results for the sample from P-4 (1,514.4 ug/L) confirm the return to the historical range.

- At recovery well PW-1, total VOCs (271.4 ug/L) and cis-DCE (58 ug/L) observed in July 2012 were anomalously low, lower than observed since 2001. Total VOCs concentrations typically range from 300 to 50,000 ug/L and cis-DCE concentrations typically range from 68 to 2,700 ug/L.

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

SUMMARY OF OPERATIONS AND MAINTENANCE ACTIVITY

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

- Replaced pad locks on several monitoring wells and labeled several wells more clearly;
- Removed, cleaned, and replaced flow meter in Vault 2;
- Removed, cleaned, and replaced level meter in Vault 2;
- Repaired coupler on pump P-805C;
- Removed, cleaned, and replaced pump in Vault 1;
- Disassembled flow meter at PW-1and removed sediment from strainer and gears and returned to service.
- Replaced check valve on P-803B; and
- Installed new SPDES outfall signage.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

During the reporting period, approximately 9.3 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 70.2 gallons per minute (gpm) during the reporting period. The total extracted mass of VOCs during the third quarter of 2012 was 25.5 pounds. The extracted mass was estimated using individual well pumping rates and analytical results.

Table 5 provides the GRS performance summary for the quarter. The GRS uptime (hours during quarter that GRS was operational / total hours during quarter) for the quarter was 95 percent. The slightly lower uptime during the third quarter was caused by the shutdown of PW-4 and P-2 in September due to an odor. The source of the odor has been tentatively identified as furfural (September 17, 2012). Evaluation is underway to determine a course of action to allow PW-4 and P-2 to be restarted.

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.

SUMMARY AND CONCLUSIONS

- Groundwater concentrations are consistent with recent historical data, with the comments noted for B-8M, B-11M, B-13M, B-26M, B-32M, B-41M, B-44M, P-4, and PW-1.

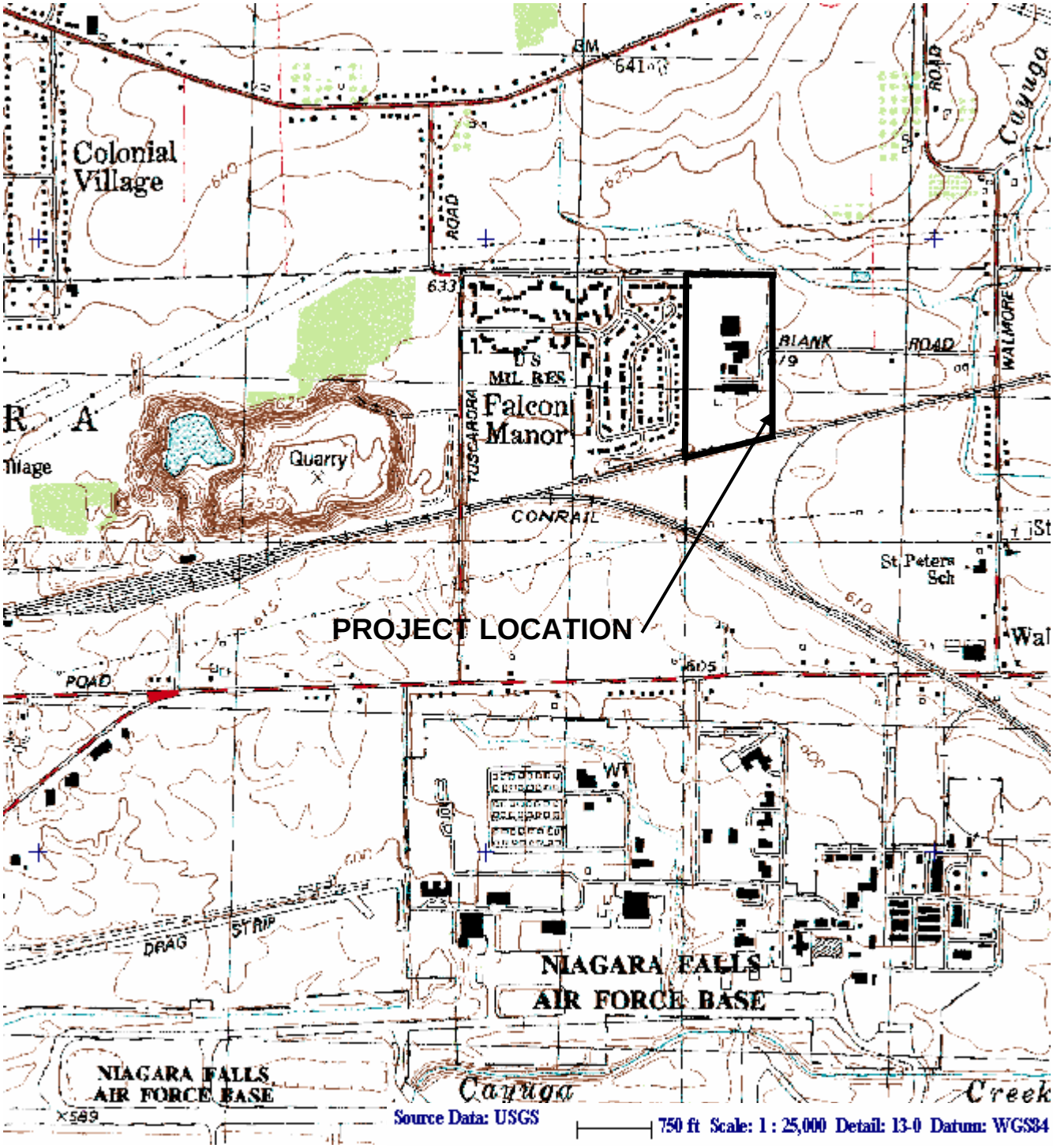
- Groundwater elevation and flow paths were consistent with historical patterns.

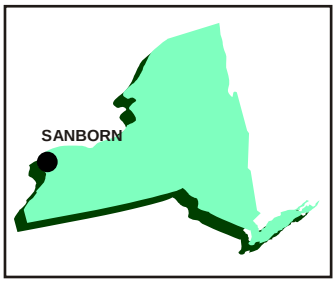
- Based on the data review described in this report, the laboratory analytical data are considered valid for their intended use.

- 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 95 percent.

- Monthly DMRs were provided to NYSDEC. The discharge data were within the compliance parameters for each monthly reporting period.

FIGURES





New York
Quadrangle

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

N

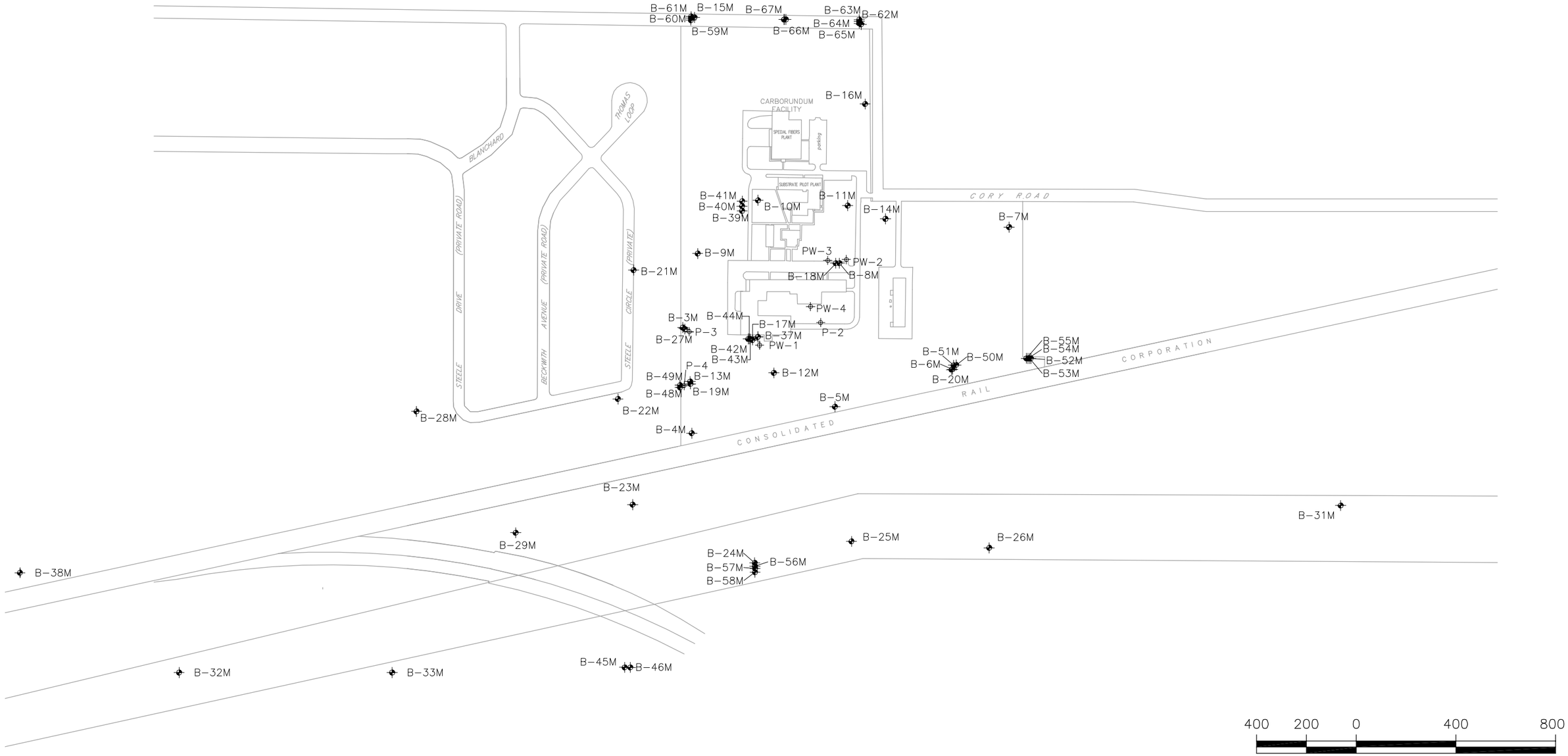
SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

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



400 200 0 400 800

SCALE: 1"=400'

LEGEND:

MONITORING WELL

PUMPING WELL

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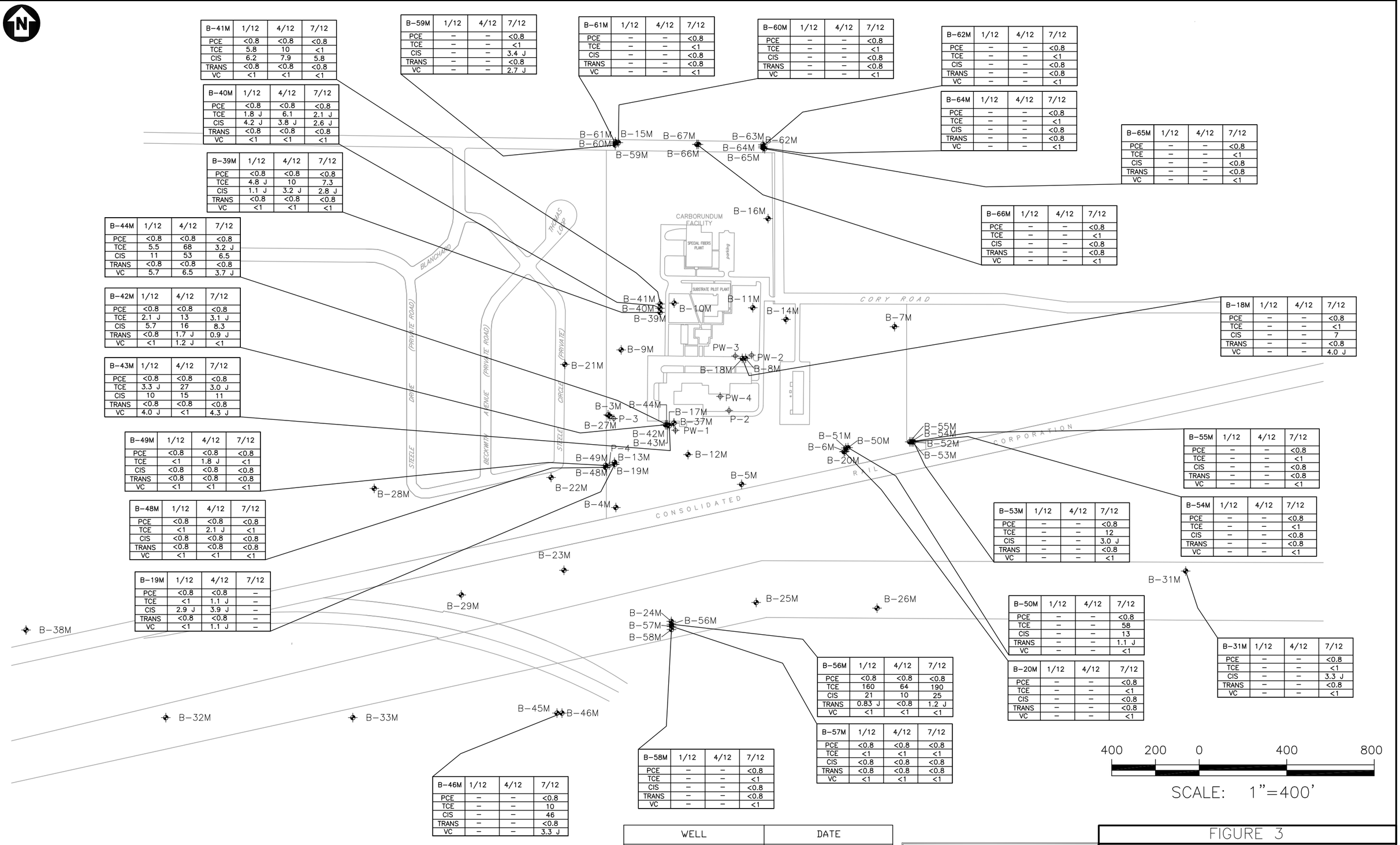
PLOT DATE: 9/24/2012 12:53 PM PLOTTED BY: RUSSO, JILL

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 2

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SITE PLAN



B-41M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	5.8	10	<1
CIS	6.2	7.9	5.8
TRANS	<0.8	<0.8	<0.8
VC	<1	<1	<1

B-40M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	1.8 J	6.1	2.1 J
CIS	4.2 J	3.8 J	2.6 J
TRANS	<0.8	<0.8	<0.8
VC	<1	<1	<1

B-39M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	4.8 J	10	7.3
CIS	1.1 J	3.2 J	2.8 J
TRANS	<0.8	<0.8	<0.8
VC	<1	<1	<1

B-44M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	5.5	68	3.2 J
CIS	11	53	6.5
TRANS	<0.8	<0.8	<0.8
VC	5.7	6.5	3.7 J

B-42M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	2.1 J	13	3.1 J
CIS	5.7	16	8.3
TRANS	<0.8	1.7 J	0.9 J
VC	<1	1.2 J	<1

B-43M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	3.3 J	27	3.0 J
CIS	10	15	11
TRANS	<0.8	<0.8	<0.8
VC	4.0 J	<1	4.3 J

B-49M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	<1	1.8 J	<1
CIS	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8
VC	<1	<1	<1

B-48M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	<1	2.1 J	<1
CIS	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8
VC	<1	<1	<1

B-19M	1/12	4/12	7/12
PCE	<0.8	<0.8	–
TCE	<1	1.1 J	–
CIS	2.9 J	3.9 J	–
TRANS	<0.8	<0.8	–
VC	<1	1.1 J	–

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

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

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

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

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

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

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

B-18M	1/12	4/12	7/12
PCE	–	–	<0.8
TCE	–	–	<1
CIS	–	–	7
TRANS	–	–	<0.8
VC	–	–	4.0 J

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

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

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

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

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

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

B-56M	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8
TCE	160	64	190
CIS	21	10	25
TRANS	0.83 J	<0.8	1.2 J
VC	<1	<1	<1

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

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

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

400 200 0 400 800

SCALE: 1"=400'

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

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 3

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN ZONES 2, 3, 4 & 5
JULY 2012 QUARTERLY SAMPLING EVENT

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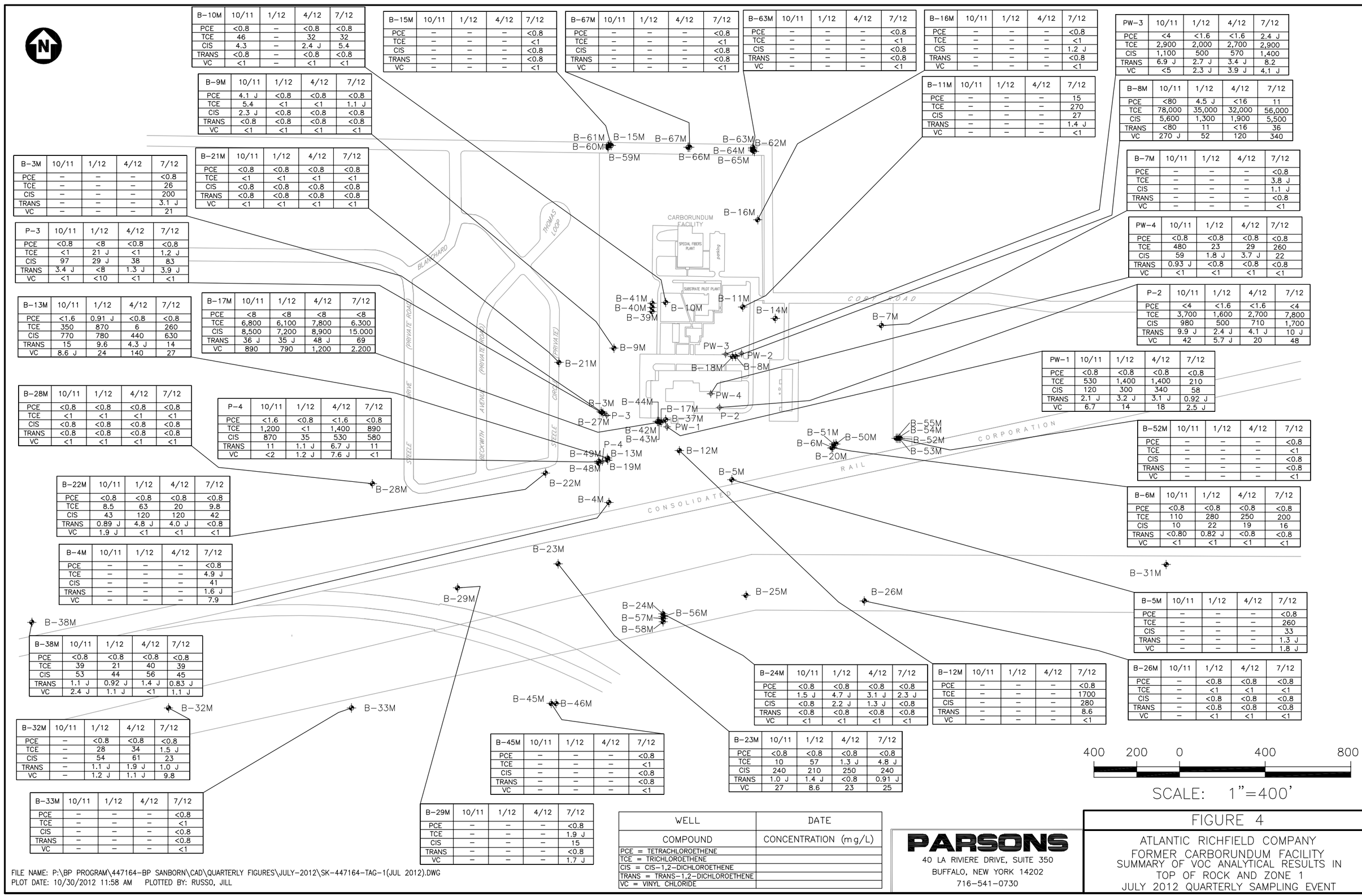


B-10M	10/11	1/12	4/12	7/12
PCE	<0.8	–	<0.8	<0.8
TCE	46	–	32	32
CIS	4.3	–	2.4 J	5.4
TRANS	<0.8	–	<0.8	<0.8
VC	<1	–	<1	<1

B-15M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	<0.8
TRANS	–	–	–	<0.8
VC	–	–	–	<1

B-67M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	<0.8
TRANS	–	–	–	<0.8
VC	–	–	–	<1

B-63M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	<0.8
TRANS	–	–	–	<0.8
VC	–	–	–	<1

B-16M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	1.2 J
TRANS	–	–	–	<0.8
VC	–	–	–	<1

PW-3	10/11	1/12	4/12	7/12
PCE	<4	<1.6	<1.6	2.4 J
TCE	2,900	2,000	2,700	2,900
CIS	1,100	500	570	1,400
TRANS	6.9 J	2.7 J	3.4 J	8.2
VC	<5	2.3 J	3.9 J	4.1 J

B-9M	10/11	1/12	4/12	7/12
PCE	4.1 J	<0.8	<0.8	<0.8
TCE	5.4	<1	<1	1.1 J
CIS	2.3 J	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-11M	10/11	1/12	4/12	7/12
PCE	–	–	–	15
TCE	–	–	–	270
CIS	–	–	–	27
TRANS	–	–	–	1.4 J
VC	–	–	–	<1

B-8M	10/11	1/12	4/12	7/12
PCE	<80	4.5 J	<16	11
TCE	78,000	35,000	32,000	56,000
CIS	5,600	1,300	1,900	5,500
TRANS	<80	11	<16	36
VC	270 J	52	120	340

B-3M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	26
CIS	–	–	–	200
TRANS	–	–	–	3.1 J
VC	–	–	–	21

B-21M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	<1	<1	<1	<1
CIS	<0.8	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-7M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	3.8 J
CIS	–	–	–	1.1 J
TRANS	–	–	–	<0.8
VC	–	–	–	<1

P-3	10/11	1/12	4/12	7/12
PCE	<0.8	<8	<0.8	<0.8
TCE	<1	21 J	<1	1.2 J
CIS	97	29 J	38	83
TRANS	3.4 J	<8	1.3 J	3.9 J
VC	<1	<10	<1	<1

PW-4	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	480	23	29	260
CIS	59	1.8 J	3.7 J	22
TRANS	0.93 J	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-13M	10/11	1/12	4/12	7/12
PCE	<1.6	0.91 J	<0.8	<0.8
TCE	350	870	6	260
CIS	770	780	440	630
TRANS	15	9.6	4.3 J	14
VC	8.6 J	24	140	27

B-17M	10/11	1/12	4/12	7/12
PCE	<8	<8	<8	<8
TCE	6,800	6,100	7,800	6,300
CIS	8,500	7,200	8,900	15,000
TRANS	36 J	35 J	48 J	69
VC	890	790	1,200	2,200

P-2	10/11	1/12	4/12	7/12
PCE	<4	<1.6	<1.6	<4
TCE	3,700	1,600	2,700	7,800
CIS	980	500	710	1,700
TRANS	9.9 J	2.4 J	4.1 J	10 J
VC	42	5.7 J	20	48

B-28M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	<1	<1	<1	<1
CIS	<0.8	<0.8	<0.8	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

P-4	10/11	1/12	4/12	7/12
PCE	<1.6	<0.8	<1.6	<0.8
TCE	1,200	<1	1,400	890
CIS	870	35	530	580
TRANS	11	1.1 J	6.7 J	11
VC	<2	1.2 J	7.6 J	<1

PW-1	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	530	1,400	1,400	210
CIS	120	300	340	58
TRANS	2.1 J	3.2 J	3.1 J	0.92 J
VC	6.7	14	18	2.5 J

B-52M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	<0.8
TRANS	–	–	–	<0.8
VC	–	–	–	<1

B-22M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	8.5	63	20	9.8
CIS	43	120	120	42
TRANS	0.89 J	4.8 J	4.0 J	<0.8
VC	1.9 J	<1	<1	<1

B-6M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	110	280	250	200
CIS	10	22	19	16
TRANS	<0.80	0.82 J	<0.8	<0.8
VC	<1	<1	<1	<1

B-4M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	4.9 J
CIS	–	–	–	41
TRANS	–	–	–	1.6 J
VC	–	–	–	7.9

B-5M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	260
CIS	–	–	–	33
TRANS	–	–	–	1.3 J
VC	–	–	–	1.8 J

B-38M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	39	21	40	39
CIS	53	44	56	45
TRANS	1.1 J	0.92 J	1.4 J	0.83 J
VC	2.4 J	1.1 J	<1	1.1 J

B-24M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	1.5 J	4.7 J	3.1 J	2.3 J
CIS	<0.8	2.2 J	1.3 J	<0.8
TRANS	<0.8	<0.8	<0.8	<0.8
VC	<1	<1	<1	<1

B-12M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	1700
CIS	–	–	–	280
TRANS	–	–	–	8.6
VC	–	–	–	<1

B-26M	10/11	1/12	4/12	7/12
PCE	–	<0.8	<0.8	<0.8
TCE	–	<1	<1	<1
CIS	–	<0.8	<0.8	<0.8
TRANS	–	<0.8	<0.8	<0.8
VC	–	<1	<1	<1

B-32M	10/11	1/12	4/12	7/12
PCE	–	<0.8	<0.8	<0.8
TCE	–	28	34	1.5 J
CIS	–	54	61	23
TRANS	–	1.1 J	1.9 J	1.0 J
VC	–	1.2 J	1.1 J	9.8

B-45M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	<0.8
TRANS	–	–	–	<0.8
VC	–	–	–	<1

B-23M	10/11	1/12	4/12	7/12
PCE	<0.8	<0.8	<0.8	<0.8
TCE	10	57	1.3 J	4.8 J
CIS	240	210	250	240
TRANS	1.0 J	1.4 J	<0.8	0.91 J
VC	27	8.6	23	25

B-33M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	<1
CIS	–	–	–	<0.8
TRANS	–	–	–	<0.8
VC	–	–	–	<1

B-29M	10/11	1/12	4/12	7/12
PCE	–	–	–	<0.8
TCE	–	–	–	1.9 J
CIS	–	–	–	15
TRANS	–	–	–	<0.8
VC	–	–	–	1.7 J

400 200 0 400 800

SCALE: 1"=400'

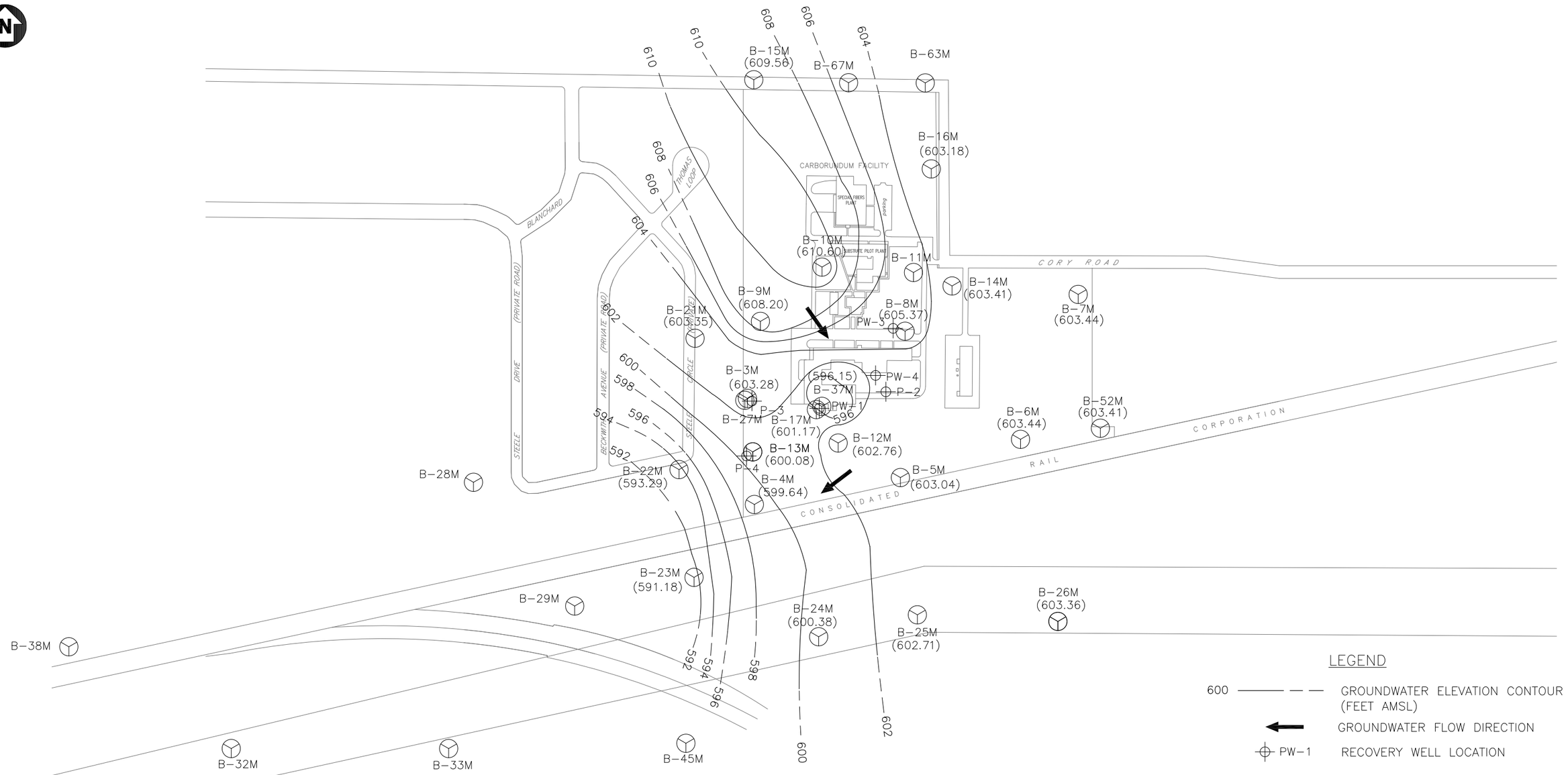
WELL	DATE
COMPOUND	CONCENTRATION (mg/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN TOP OF ROCK AND ZONE 1
JULY 2012 QUARTERLY SAMPLING EVENT

FILE NAME: P:\BP PROGRAM\447164-BP SANBORN\CAD\QUARTERLY FIGURES\JULY-2012\SK-447164-TAG-1(JUL 2012).DWG
PLOT DATE: 10/30/2012 11:58 AM PLOTTED BY: RUSSO, JILL



NOTE:

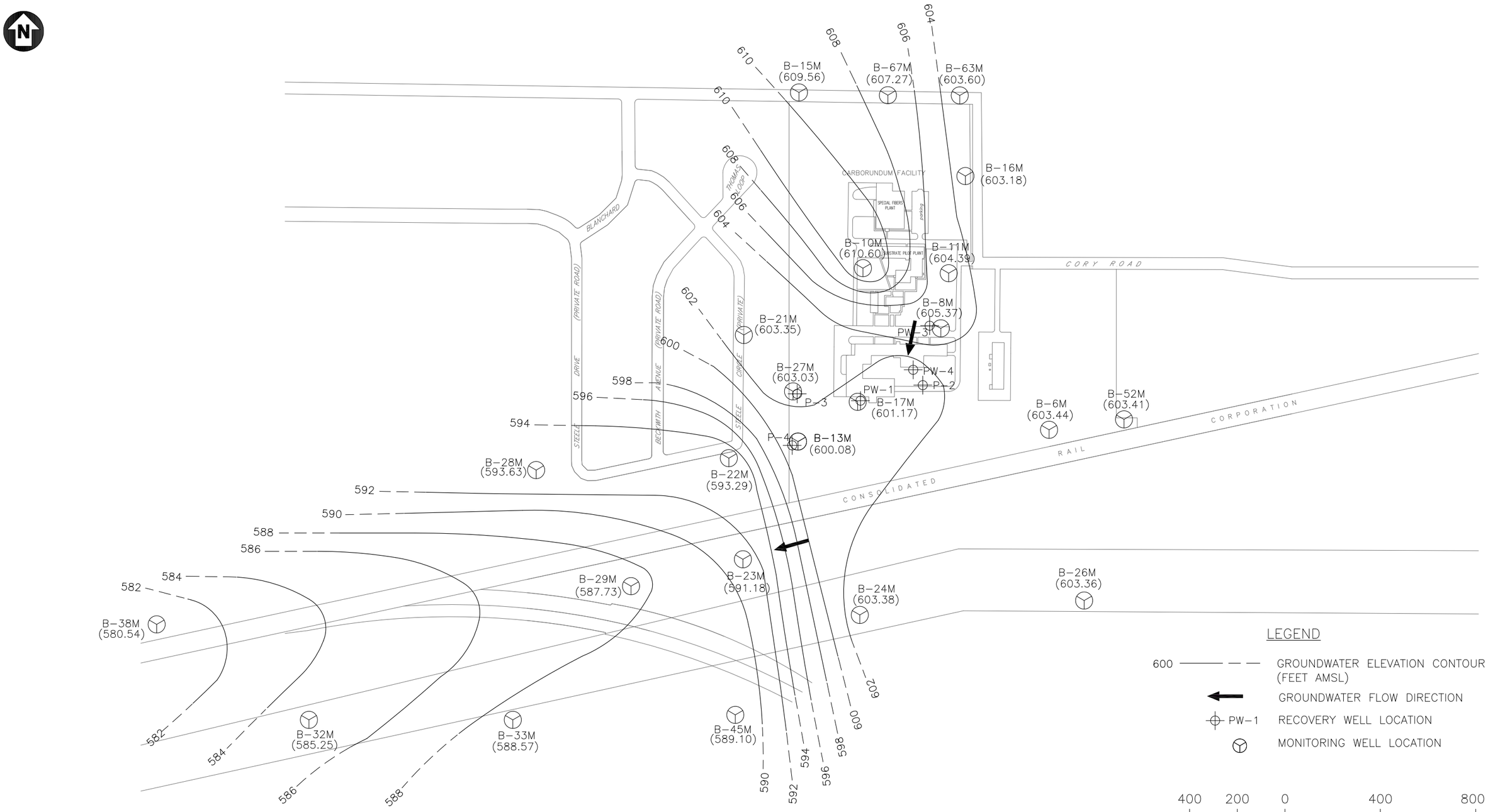
1. B-10M, B-13M, B-15M, B-16M, B-17M, B-21M, B-22M, B-23M, B-24M, B-26M, B-27M, B-52M, B-6M, B-8M, AND P-4 ARE SCREENED IN BOTH THE TOP OF ROCK ZONE AND ZONE 1.

FILE NAME: P:\BP PROGRAM\447164-BP SANBORN\CAD\QUARTERLY FIGURES\JULY-2012\SK-447164-GW-1(JUL 2012).DWG
PLOT DATE: 8/20/2012 10:26 AM PLOTTED BY: RUSSO, JILL

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK - JULY 9, 2012



LEGEND

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

400 200 0 400 800

SCALE: 1"=400'

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.

FILE NAME: P:\BP PROGRAM\447164-BP SANBORN\CAD\QUARTERLY FIGURES\JULY-2012\SK-447164-GW-2(JUL 2012).DWG
PLOT DATE: 8/20/2012 1:40 PM PLOTTED BY: RUSSO, JILL

PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1- JULY 9, 2012

TABLES

TABLE 1
JULY 2012 GROUNDWATER ELEVATION DATA
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	07/09/12	619.67	21.91	597.76	
P-3	07/09/12	627.35	28.48	598.87	
P-4	07/09/12	624.45	29.08	595.37	
PW-1	07/09/12	619.78	26.99	592.79	
PW-3	07/09/12	618.28	11.81	606.47	
PW-4	07/09/12	620.84	19.44	601.4	
B-3M	07/09/12	625.59	22.31	603.28	
B-4M	07/09/12	622.24	22.60	599.64	
B-5M	07/09/12	620.83	17.79	603.04	
B-6M	07/09/12	615.69	12.25	603.44	
B-7M	07/09/12	616.22	12.78	603.44	
B-8M	07/09/12	618.57	13.20	605.37	
B-9M	07/09/12	623.03	14.83	608.20	
B-10M	07/09/12	626.05	15.45	610.60	
B-11M	07/09/12	622.81	18.42	604.39	
B-12M	07/09/12	622.17	19.41	602.76	
B-13M	07/09/12	626.70	26.62	600.08	
B-14M	07/09/12	618.25	14.84	603.41	
B-15M	07/09/12	623.98	14.42	609.56	
B-16M	07/09/12	624.31	21.13	603.18	
B-17M	07/09/12	622.07	20.90	601.17	
B-18M	07/09/12	618.69	16.07	602.62	
B-19M	07/09/12	626.01	25.22	600.79	
B-20M	07/09/12	615.32	12.17	603.15	
B-21M	07/09/12	622.56	19.21	603.35	
B-22M	07/09/12	622.29	29.00	593.29	
B-23M	07/09/12	617.71	26.53	591.18	
B-24M	07/09/12	617.24	16.86	600.38	
B-25M	07/09/12	619.31	16.60	602.71	
B-26M	07/09/12	618.06	14.70	603.36	
B-27M	07/09/12	626.04	23.01	603.03	
B-28M	07/09/12	622.62	28.99	593.63	
B-29M	07/09/12	618.31	30.58	587.73	
B-31M	07/09/12	613.78	11.08	602.70	
B-32M	07/09/12	619.35	34.10	585.25	
B-33M	07/09/12	612.43	23.86	588.57	
B-37M	07/09/12	616.90	20.75	596.15	
B-38M	07/09/12	609.81	29.27	580.54	
B-39M	07/09/12	626.12	22.90	603.22	
B-40M	07/09/12	626.23	23.16	603.07	
B-41M	07/09/12	626.31	23.93	602.38	
B-42M	07/09/12	623.76	20.68	603.08	
B-43M	07/09/12	623.64	21.42	602.22	
B-44M	07/09/12	623.29	22.51	600.78	
B-45M	07/09/12	612.12	23.02	589.10	
B-46M	07/09/12	613.46	25.27	588.19	
B-48M	07/09/12	625.40	22.50	602.90	
B-49M	07/09/12	625.56	29.91	595.65	
B-50M	07/09/12	616.47	13.08	603.39	
B-51M	07/09/12	616.48		NA	damaged
B-52M	07/09/12	616.26	12.85	603.41	
B-53M	07/09/12	616.14	12.77	603.37	
B-54M	07/09/12	616.00	12.36	603.64	
B-55M	07/09/12	615.59	28.32	587.27	
B-56M	07/09/12	617.78	26.91	590.87	
B-57M	07/09/12	617.80	28.56	589.24	
B-58M	07/09/12	617.99	26.01	591.98	
B-59M	07/09/12	625.53	28.51	597.02	
B-60M	07/09/12	625.67	22.22	603.45	
B-61M	07/09/12	625.72	22.48	603.24	
B-62M	07/09/12	624.14	12.14	612.00	
B-63M	07/09/12	624.04	20.44	603.60	
B-64M	07/09/12	624.05	20.66	603.39	
B-65M	07/09/12	623.98	20.79	603.19	
B-66M	07/09/12	625.54	21.90	603.64	
B-67M	07/09/12	625.59	18.32	607.27	

TABLE 2
MONITORING WELL GROUNDWATER PURGING DATA
JULY 2012 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, 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	7/19/12	11:15	619.67	21.90							Pumping well
P-3	7/16/12	12:30	627.35	26.34							Pumping well
P-4	7/17/12	13:40	624.45	24.93							Pumping well
PW-1	7/18/12	8:10	619.78	27.70							Pumping well
PW-3	7/10/12	14:40	618.28	11.77							Pumping well
PW-4	7/19/12	11:25	618.28	10.59							Pumping well
B-3M	7/16/12	12:00	625.59	22.45	603.14	25.02	2.57	0.44	2.5	4	
B-4M	7/17/12	13:20	622.24	22.96	599.28	27.5	4.54	0.77	1.5	4	well dry @ 1.5 gal
B-5M	7/16/12	13:45	620.83	18.95	601.88	30.98	12.03	2.05	11	4	
B-6M	7/17/12	11:05	615.69	13.18	602.51	19.11	5.93	1.01	4	4	
B-7M	7/16/12	7:50	616.22	13.49	602.73	21.94	8.45	1.44	8	5	
B-8M	7/16/12	10:20	618.57	13.60	604.97	17.81	4.21	0.72	4	4	
B-9M	7/11/12	11:25	623.03	15.80	607.23	21.15	5.35	0.90	1	4	
B-10M	7/11/12	11:40	622.56	15.57	606.99	27.9	12.33	2.10	10.5	4	
B-11M	7/10/12	14:00	622.81	19.04	603.77	23.71	4.67	0.79	4.0	4	
B-12M	7/16/12	13:00	622.17	20.11	602.06	21.81	1.70	0.29	1.5	4	
B-13M	7/18/12	11:00	622.07	26.95	595.12	36.0	9.05	1.54	6	5	
B-14M	7/16/12	7:40	618.25	15.73	602.52	15.77	0.04				well dry, not sampled
B-15M	7/11/12	10:45	623.98	14.67	609.31	24.19	9.52	1.62	8.5	4	
B-16M	7/10/12	8:07	623.98	21.22	602.76	25.15	3.93	0.67	3.5	4	
B-17M	7/18/12	7:50	626.08	21.23	604.85	26	4.77	0.81	~4.5	4	
B-18M	7/16/12	10:45	618.69	17.20	601.49	50.31	33.11	5.60	29	5	
B-19M	7/16/12		626.01		626.01		0.00				well dry, not sampled
B-20M	7/17/12	11:35	615.40	12.97	602.43	49.92	36.95	6.30	32	4	
B-21M	7/19/12	8:55	622.56	20.91	601.65	26.54	5.63	0.96	5	4	
B-22M	7/19/12	9:40	617.71	30.48	587.23	35.95	5.47	0.93	5	4	
B-23M	7/12/12	11:05	617.71	27.77	589.94	31.59	3.82	0.65	4	4	
B-24M	7/12/12	12:40	617.20	17.10	600.10	28.3	11.20	1.90	10	4	
B-26M	7/16/12	8:35	618.06	15.30	602.76	30.11	14.81	2.52	13	5	
B-28M	7/19/12	10:25	622.62	29.32	593.30	34.5	5.18	0.88	5	4	
B-29M	7/12/12	10:20	618.31	30.68	587.63	38.52	7.84	1.33	7	4	
B-31M	7/16/12	9:20	613.78	11.55	602.23	43.66	32.11	5.50	28	5	
B-32M	7/12/12	9:35	619.35	35.06	584.29	40.48	5.42	0.90	5	4	
B-33M	7/12/12	8:50	612.43	24.16	588.27	31.98	7.82	1.33	5.2	4	
B-38M	7/19/12	8:00	609.81	29.41	580.40	41.21	11.80	2.00	10	4	
B-39M	7/11/12	14:30	626.12	23.36	602.76	44.91	21.55	3.66	14.4	5	
B-40M	7/11/12	13:40	626.23	23.71	602.52	57.97	34.26	5.82	30	5	
B-41M	7/11/12	12:30	626.31	24.43	601.88	72.61	48.18	8.20	32.8	5	
B-42M	7/18/12	10:00	626.31	22.21	604.10	45.39	23.18	3.94	20	5	
B-43M	7/18/12	9:30	623.64	22.74	600.90	58.85	36.11	6.10	16.5	5	
B-44M	7/18/12	8:30	623.29	23.67	599.62	84.45	60.83	10.34	~21.5	5	
B-45M	7/12/12	8:00	612.12	22.96	589.16	24.82	1.86	0.30	0.3	4	well dry @ 0.3 gal
B-46M	7/12/12	8:10	613.46	25.41	588.05	39.91	14.50	2.47	12.5	5	
B-48M	7/18/12	13:00	625.40	24.05	601.35	46.86	22.81	3.90	20	5	
B-49M	7/18/12	12:05	625.56	31.04	594.52	82.54	51.50	8.76	45	5	
B-50M	7/17/12	12:35	616.47	13.80	602.67	35.75	21.95	3.73	19	5	
B-52M	7/17/12	10:00	616.48	13.51	602.97	22.4	8.89	1.51	10	5	
B-53M	7/17/12	9:00	616.14	13.45	602.69	37.29	23.84	4.10	21	5	
B-54M	7/17/12	8:20	616.00	13.54	602.46	57.46	43.92	7.47	~12	5	
B-55M	7/17/12	7:45	615.59	29.26	586.33	84.65	55.39	9.42	~18	4,5	
B-56M	7/12/12	12:00	617.78	27.09	590.69	39.62	12.53	2.13	11	5	
B-57M	7/12/12	11:40	617.80	29.22	588.58	50.55	21.33	3.60	4.1	4,5	
B-58M	7/12/12	13:25	617.99	26.36	591.63	63.60	37.24	6.33	33	5	
B-59M	7/11/12	8:00	625.53	28.98	596.55	69.03	40.05	6.80	34	4	
B-60M	7/11/12	9:20	625.67	22.65	603.02	29.45	6.80	1.16	6	5	
B-61M	7/11/12	9:45	625.72	22.96	602.76	55.03	32.07	5.45	28	5	
B-62M	7/10/12	10:50	623.89	12.21	611.68	91.44	79.23	13.50	68	5	
B-63M	7/10/12	9:35	624.14	20.61	603.53	27.21	6.60	1.12	6	4	
B-64M	7/15/12	9:10	623.95	20.76	603.19	42.37	21.61	3.67	19	5	
B-65M	7/10/12	10:00	624.19	20.97	603.22	57.15	36.18	6.15	31	5	
B-66M	7/10/12	12:20	625.37	22.10	603.27	41.15	19.05	3.24	18	4	
B-67M	7/10/12	13:15	625.51	18.30	607.21	24.80	6.50	1.10	6	4	

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.

TABLE 3
MONITORING WELL GROUNDWATER SAMPLING DATA
JULY 2012 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well ID	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	7/19/12	11:15	619.67	6.77	1.57	53.9	27.3	Pumping well
P-3	7/16/12	12:30	627.35	7.38	1.63	54.8	22.2	Pumping well
P-4	7/17/12	13:40	624.45	7.3	1.14	56.5	0.66	Pumping well
PW-1	7/18/12	8:10	619.78	58.4	1.02	58.4	1.21	Pumping well
PW-3	7/10/12	14:40	618.28	7.52	0.76	57.5	4.0	Pumping well
PW-4	7/19/12	11:25	618.28	6.94	0.93	58.3	1.27	Pumping well
B-3M	7/16/12	12:00	625.59	7.37	1.31	56.6	62.3	
B-4M	7/17/12	13:20	622.24	8.11	1.25	57.9	15.0	
B-5M	7/16/12	13:45	620.83	6.98	0.82	54.4	99.9	
B-6M	7/17/12	11:05	615.69	7.25	1.29	54.4	58.1	
B-7M	7/16/12	7:50	616.22	7.18	0.75	54.6	1000+	
B-8M	7/16/12	10:20	618.57	6.61	1.43	57.4	39.1	
B-9M	7/11/12	11:25	623.03	7.21	0.83	55.5	55.9	
B-10M	7/11/12	11:40	622.07	7.02	1.53	57.5	8.49	
B-11M	7/10/12	14:00	622.81	7.07	1.34	56.1	79.2	
B-12M	7/16/12	13:00	622.17	7.0	1.13	55.3	143	
B-13M	7/18/12	11:00	618.69	6.83	1.10	55.0	62.3	
B-14M	7/16/12	7:40	618.25					well dry, not sampled
B-15M	7/11/12	11:20	623.98	7.04	1.18	53.0	5.87	
B-16M	7/10/12	8:07	626.08	6.34	0.87	54.0	79.7	
B-17M	7/18/12	7:50	626.01	6.75	1.38	56.4	63.9	
B-18M	7/16/12	10:45	622.56	7.09	1.56	56.4	3.97	
B-19M			617.71					well dry, not sampled
B-20M	7/17/12	11:35	622.62	7.14	1.61	54.7	9.17	
B-21M	7/19/12	8:55	618.31	6.75	0.96	56.0	776	
B-22M	7/19/12	9:40	619.35	6.80	1.18	55.7	26.4	
B-23M	7/12/12	11:05	609.81	6.22	1.15	53.8	2.83	
B-24M	7/12/12	12:40	626.12	7.0	1.26	52.5	49.1	
B-26M	7/16/12	8:35	618.06	6.46	1.02	56.9	38.8	
B-28M	7/19/12	10:25	622.62	6.82	1.20	55.7	87.3	
B-29M	7/12/12	10:20	618.31	6.28	1.05	52.9	44.4	
B-31M	7/16/12	9:20	613.78	6.72	0.79	55.5	226	
B-32M	7/12/12	9:35	619.35	6.25	1.33	53.0	66.5	
B-33M	7/12/12	8:50	612.43	6.05	1.09	52.6	10.47	
B-38M	7/19/12	8:00	609.81	6.73	1.09	54.5	94	
B-39M	7/11/12	14:30	626.12	7.33	1.09	56.0	13.7	
B-40M	7/11/12	13:40	626.23	7.52	1.19	55.4	6.7	
B-41M	7/11/12	13:40	626.31	7.55	1.08	55.2	15.7	
B-42M	7/18/12	10:00	623.76	6.95	0.94	57.6	8.8	
B-43M	7/18/12	9:30	623.64	6.79	1.27	58.4	2.93	
B-44M	7/18/12	8:30	623.29	7.05	2.77	56.1	37.1	
B-45M	7/12/12	8:00	612.12	7.31	1.88	58.1	709	
B-46M	7/12/12	8:10	613.46	6.33	1.32	52.1	26.9	
B-48M	7/18/12	13:00	625.40	7.21	0.93	53.6	13.2	
B-49M	7/18/12	12:05	625.56	6.75	2.75	55.2	28.7	
B-50M	7/17/12	12:35	616.47	7.11	0.84	58.3	64.9	
B-52M	7/17/12	10:00	616.26	7.08	1.05	56.2	1000+	
B-53M	7/17/12	9:00	616.14	7.10	0.93	54.1	53.8	
B-54M	7/17/12	8:20	616.00	9.29	1.38	54.2	38.2	
B-55M	7/17/12	7:45	615.59	7.13	3.64	53.9	5.25	
B-56M	7/12/12	12:00	617.78	7.07	1.31	54.3	158	
B-57M	7/12/12	11:40	617.80	6.87	2.21	55.7	18.9	
B-58M	7/12/12	13:25	617.99	7.39	1.41	56.8	65.1	
B-59M	7/11/12	8:00	625.53	7.13	2.11	53.4	33.0	
B-60M	7/11/12	9:20	625.67	7.51	0.89	54.5	37.4	
B-61M	7/11/12	9:45	625.72	7.5	1.35	55.0	52.4	
B-62M	7/10/12	10:50	623.89	7.01	2.88	56.6	87.4	
B-63M	7/10/12	9:35	624.14	6.81	1.03	56.4	5.69	
B-64M	7/15/12	9:10	623.95	6.16	1.10	53.7	22.5	
B-65M	7/10/12	10:00	624.19	6.91	2.38	54.8	2.75	
B-66M	7/10/12	12:20	625.37	7.06	0.75	52.6	8.96	
B-67M	7/10/12	13:15	625.51	7.35	1.23	53.0	9.84	

TABLE 4
MONITORING WELL GROUNDWATER ANALYTCIAL RESULT SUMMARY
JULY 2012 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well Id	Lab Sample ID	Sample Date	Carbon Tetra-chloride ug/l	Chloro-form ug/l	1,1-Dichloro-ethane ug/l	1,1-Dichloro-ethene ug/l	Methyl-ene chloride ug/l	trans-1,2-Dichloro-ethene ug/l	cis-1,2-Dichloro-ethene ug/l	total-1,2-Dichloro-ethene ug/l	1,1,1-Trichloro-ethane ug/l	Trichloro-ethene ug/l	Vinyl chloride ug/l	Tetrachloro-ethene ug/l
P-2	6728260	7/19/2012	< 5.0	< 4.0	150	26	< 10	10 J	1700	1710	970	7800	48	< 4.0
P-3	6722029	7/16/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	3.9 J	83	86.9	< 0.80	1.2 J	< 1.0	< 0.80
P-4	6723838	7/17/2012	< 1.0	< 0.80	22	5.2	< 2.0	11	580	591	6.2	890	< 1.0	< 0.80
PW-1	6726430	7/18/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	0.92 J	58	58.92	< 0.80	210	2.5 J	< 0.80
PW-3	6716080	7/10/2012	< 1.0	< 0.80	< 1.0	9.5	< 2.0	8.2	1400	1408.2	< 0.80	2900	4.1 J	2.4 J
PW-4	6728261	7/19/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	22	22	< 0.80	260	< 1.0	< 0.80
B- 3M	6722028	7/16/2012	< 1.0	< 0.80	1.6 J	< 0.80	< 2.0	3.1 J	200	203.1	< 0.80	26	21	< 0.80
B- 4M	6723837	7/17/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.6 J	41	42.6	< 0.80	4.9 J	7.9	< 0.80
B- 5M	6722026	7/16/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.3 J	33	34.3	< 0.80	260	1.8 J	< 0.80
B- 6M	6723840	7/17/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	16	16	< 0.80	200	< 1.0	< 0.80
B- 7M	6722037	7/16/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	1.1 J	1.1	< 0.80	3.8 J	< 1.0	< 0.80
B- 8M	6722032	7/16/2012	< 2.0	< 1.6	< 2.0	32	< 4.0	36	5500	5536	< 1.6	56000	340	11
B- 9M	6717362	7/11/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	1.1 J	< 1.0	< 0.80
B-10M	6717352	7/11/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	5.4	5.4	3.2 J	32	< 1.0	< 0.80
B-11M	6716079	7/10/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.4 J	27	28.4	< 0.80	270	< 1.0	15
B-12M	6722027	7/16/2012	< 1.0	< 0.80	29	7.8	< 2.0	8.6	280	288.6	35	1700	< 1.0	< 0.80
B-13M	6726437	7/18/2012	< 1.0	< 0.80	7.3	4.3 J	< 2.0	14	630	644	0.96 J	260	27	< 0.80
B-15M	6717356	7/11/2012	< 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	6716069	7/10/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	1.2 J	1.2	< 0.80	< 1.0	< 1.0	< 0.80
B-17M	6726431	7/18/2012	< 10	< 8.0	170	67	< 20	69	15000	15069	20 J	6300	2200	< 8.0
B-18M	6722031	7/16/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	7.0	7	< 0.80	< 1.0	4.0 J	< 0.80
B-20M	6723841	7/17/2012	< 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	6728257	7/19/2012	< 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	6728258	7/19/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	42	42	< 0.80	9.8	< 1.0	< 0.80
B-23M	6719399	7/12/2012	< 1.0	< 0.80	1.1 J	< 0.80	< 2.0	0.91 J	240	240.91	< 0.80	4.8 J	25	< 0.80
B-24M	6719396	7/12/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	2.3 J	< 1.0	< 0.80
B-26M	6722034	7/16/2012	< 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	6728259	7/19/2012	< 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	6719400	7/12/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	15	15	< 0.80	1.9 J	1.7 J	< 0.80
B-31M	6722033	7/16/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.3 J	3.3	< 0.80	< 1.0	< 1.0	< 0.80
B-32M	6719401	7/12/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.0 J	23	24	< 0.80	1.5 J	9.8	< 0.80
B-33M	6719402	7/12/2012	< 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	6728256	7/19/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	0.83 J	45	45.83	< 0.80	39	1.1 J	< 0.80
B-39M	6717363	7/11/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.8 J	2.8	< 0.80	7.3	< 1.0	< 0.80
B-40M	6717361	7/11/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	2.6 J	2.6	< 0.80	2.1 J	< 1.0	< 0.80
B-41M	6717360	7/11/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	5.8	5.8	< 0.80	< 1.0	< 1.0	< 0.80
B-42M	6726433	7/18/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	0.90 J	8.3	9.2	< 0.80	3.1 J	< 1.0	< 0.80
B-43M	6726434	7/18/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	11	11	< 0.80	3.0 J	4.3 J	< 0.80
B-44M	6726432	7/18/2012	< 1.0	< 0.80	8.7	< 0.80	< 2.0	< 0.80	6.5	6.5	< 0.80	3.2 J	3.7 J	< 0.80
B-45M	6719393	7/12/2012	< 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	6719403	7/12/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	46	46	< 0.80	10	3.3 J	< 0.80
B-48M	6726438	7/18/2012	< 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-49M	6726440	7/18/2012	< 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	6723847	7/17/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.1 J	13	14.1	< 0.80	58	< 1.0	< 0.80
B-52M	6723842	7/17/2012	< 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	6723845	7/17/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.0 J	3	< 0.80	12	< 1.0	< 0.80
B-54M	6723846	7/17/2012	< 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	6723848	7/17/2012	< 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	6719398	7/12/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	1.2 J	25	26.2	< 0.80	190	< 1.0	< 0.80
B-57M	6719395	7/12/2012	< 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	6719394	7/12/2012	< 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	6717359	7/11/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	3.4 J	3.4	< 0.80	< 1.0	2.7 J	< 0.80
B-60M	6717358	7/11/2012	< 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	6717357	7/11/2012	< 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	6716076	7/10/2012	< 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	6716070	7/10/2012	< 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	6716071	7/10/2012	< 1.0	< 0.80	< 1.0	< 0.80	< 2.0	< 0.80	< 0.80	< 0.80	< 0.80	< 1.0	< 1.0	< 0.80

MONITORING WELL GROUNDWATER ANALYTCIAL RESULT SUMMARY
JULY 2012 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well Id	Lab Sample ID	Sample Date	Carbon Tetra-chloride ug/l	Chloro-form ug/l	1,1-Dichloro-ethane ug/l	1,1-Dichloro-ethene ug/l	Methyl-ene chloride ug/l	trans-1,2-Dichloro-ethene ug/l	cis-1,2-Dichloro-ethene ug/l	total-1,2-Dichloro-ethene ug/l	1,1,1-Trichloro-ethane ug/l	Trichloro-ethene ug/l	Vinyl chloride ug/l	Tetrachloro-ethene ug/l
B-65M	6716072	7/10/2012	< 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	6716077	7/10/2012	< 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	6716078	7/10/2012	< 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
THIRD QUARTER 2012
GROUNDWATER REMEDIAL SYSTEM PERFORMANCE SUMMARY
Former Carborundum Facility
Sanborn, New York

Well	Category	Units	July 2012	August 2012	September 2012
		Days	31	31	30
P-2					
	Uptime	(%)	100%	100%	68%
	Average Flow	(gpm)	1.22	0.73	1.03
	Total Flow	(gal)	57,134	30,975	44,500
	VOC Concentration	(ppb)	9,558.	9,558.	9,558.
	Total Contaminant Removed	(lbs)	4.6	2.5	3.5
	% of Total Flow		1.34%	0.70%	1.72%
P-3					
	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.00	0.00	0.00
	Total Flow	(gal)	55	13	11
	VOC Concentration	(ppb)	88.1	88.1	88.1
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0
	% of Total Flow		0.00%	0.00%	0.00%
P-4					
	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.10	0.02	0.01
	Total Flow	(gal)	6,672	1,329	273
	VOC Concentration	(ppb)	1,481.	1,481.	1,481.
	Total Contaminant Removed	(lbs)	0.1	0.0	0.0
	% of Total Flow		0.16%	0.03%	0.01%
PW-1					
	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	21.1	14.5	16.9
	Total Flow	(gal)	1,132,840	566,765	648,470
	VOC Concentration	(ppb)	271	271	271
	Total Contaminant Removed	(lbs)	2.6	1.3	1.5
	% of Total Flow		26.54%	12.86%	25.13%
PW-3					
	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.01	0.06	0.55
	Total Flow	(gal)	193	3,151	17,407
	VOC Concentration	(ppb)	4,315	4,315	4,315
	Total Contaminant Removed	(lbs)	0.0	0.1	0.6
	% of Total Flow		0.00%	0.07%	0.67%
PW-4					
	Uptime	(%)	100%	100%	37%
	Average Flow	(gpm)	71.2	80.4	17.6
	Total Flow	(gal)	3,070,882	3,805,015	1,869,321
	VOC Concentration	(ppb)	282.	282.	282.
	Total Contaminant Removed	(lbs)	7.2	9.0	4.4
	% of Total Flow		71.96%	86.34%	72.45%
GRS Total					
	Uptime	(%)	100%	100%	84%
	Average Flow	(gpm)	81.5	80.2	25.2
	Total Flow-Mechanical Effluent Meter	(gal)	3,610,991	3,748,306	1,935,916
	VOCs to Influent	(ppm)	376	339	218
	Total Contaminant Removed	(lbs)	11.3	10.6	3.5

Notes:

1. For the period of 7/01/12 to 9/30/12.
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, TCE, and PCE.
6. GRS total contaminant removed is based on the percentage of flow through the effluent meter.
7. Total flow measured at the well heads may differ from total flow through the effluent meter.

APPENDIX A

MONITORING WELL SAMPLING FIELD FORMS

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

Monitoring Well I.D.: B-3	Date: 7/16/12	Time Started: 1200	Field Personnel: RC Becken
Weather Conditions: sunny clear hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 25.02	Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 22.45	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft) 2.57	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 0.44	FiveWell Volumes (gals.) 2.2		
Notes:			

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
0.44	~0.5	58.3	2.03	88	
	~1	54.3	1.81	1000+	
	~1.5	54.9	1.89	1000+	
	~2				

Comments: Amount purged 2.5 gal

Sampling Information

Date: 7/16/12	Time Sampled: 1245	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 23.68			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-3	56.6	7.37	1.31	6213	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: B-4	Date: 7/17/12	Time Started: 1320	Field Personnel: RC Becken
Weather Conditions: sunny hot humid windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 77.5	Riser Pipe Diameter (in) (2) in.
Measured Water Level (TOR - ft) 22.96	Conversion Factor (gal/lineal ft) 1.25" = 0.08 (2" = 0.17) 3" = 0.38
Calculated Water Column Height (ft) 4.54	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) 0.77	FiveWell Volumes (gals.) 3.9
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: need paint
Lock Condition:	(OK)	Repair Required: needs new lock
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
0.77	~0.75	58.3	1.36	12.3	
	~1.5	58.3	1.28	14.6	well dry

Comments: Amount purged

Sampling Information

Date: 7/17/12	Time Sampled: 1345	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 26.08			

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
B-4	57.9	8.11	1.25	15.0	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/17/12	

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

Monitoring Well I.D.: B-5	Date: 7/16/12	Time Started: 1345	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 30.98	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 18.95	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 12.03	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.05	FiveWell Volumes (gals.) 10.23			
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: needs paint
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
2.05	~2	57.0	0.85	102.8	
	~4	54.4	0.82	143	
	~6	53.0	0.82	671	
	~8	53.2	0.82	132	

Comments: Amount purged 11 gal

Sampling Information

Date: 7/16/12	Time Sampled: 1425	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 20.6

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
B-5	54.4	6.98	0.82	99.9	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: R-6	Date: 7/17/12	Time Started: 1105	Field Personnel: RC Becken
Weather Conditions: cloudy, hot windy, humid			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 19.11	Riser Pipe Diameter (in) (2 in.)			
Measured Water Level (TOR - ft) 13.18	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 5.93	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.01	FiveWell Volumes (gals.) 5.05			
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: needs paint
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, Teflon Bailer, (Polyethylene Bailer), Peristaltic Pump, Sample Port (Pumping Wells Only), Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
1.01	~1	56.0	1.84	98.3	
	~2	54.6	1.64	151	
	~3	53.1	1.51	128	
	~4	54.4	1.36	119	

Comments: Amount purged

Sampling Information

Date: 7/17/12 | Time Sampled: 1130 | Field Personnel: R C Becken

Measured Water Level (TOR ft.): 15.23

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-6	54.4	7.25	1.29	58.1	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken | Sampler (signature): Richard C Becken | Date: 7/17/12

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

Monitoring Well I.D.: B-7	Date: 7/16/12	Time Started: 0750	Field Personnel: RC Becken
Weather Conditions: Sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	21.94	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	13.49	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft)	8.45	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	1.44	FiveWell Volumes (gals.)	7.2		

Notes:

Well Conditions

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

Casing Condition:	(OK)	Repair Required: need repair
Cap Condition:	OK	Repair Required:
Paint Condition:	OK	Repair Required: needs paint
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
1.44	~1.5	57.5	0.80	130	
	~3	55.1	0.80	49	
	~4.5	54.6	0.80	30.1	
	~6	53.9	0.81	26.6	

Comments: Amount purged 8 gal

Sampling Information

Date: 7/16/12	Time Sampled: 0825	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 13.55			

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
B-7	54.6	7.18	0.75	10004	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): R C Becken	Date: 7/16/12	

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

Monitoring Well I.D.: B-8	Date: 7/16/12	Time Started: 1020	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	17.81	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	13.6	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	4.21	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	0.72	FiveWell Volumes (gals.)	3.6		
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:	needs paint
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
0.72	~.75	61.3	2.00	97	
	~1.5	58.3	1.63	56.5	
	~2.25	57.1	1.54	71.3	
	~3	56.6	1.47	62.3	

Comments: Amount purged 4 gal

Sampling Information

Date: 7/16/12	Time Sampled: 1040	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 15.45			

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
B-8	57.4	6.61	1.43	39.1	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: B-9	Date: 7/11/12	Time Started: 1125	Field Personnel: RC Becken
Weather Conditions: hot sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	21.15	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	15.8	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	5.35	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	0.9	FiveWell Volumes (gals.)	4.54		
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: needs paint
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
0.9	~1	54.1	0.78	137	well dry
	~2				
	~3				
	~4				

Comments: Amount purged 1 gal

Sampling Information

Date: 7/11/12	Time Sampled: 1510	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 16.56		

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
B-9	55.5	7.21	0.83	55.9	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-10	Date: 7/11/12	Time Started: 1140	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	27.9	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	15.57	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	12.33	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	2.00	FiveWell Volumes (gals.)	10.5		
Notes:					

Well Conditions

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

Casing Condition:	OK	Repair Required:	has kink in casing, hard to get pump down well, some difficulty getting bailer down well
Cap Condition:	OK	Repair Required:	
Paint Condition:	OK	Repair Required:	needs paint
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
2.1	~2.1	57	1.32	30.3	
	~4.2	55.9	1.50	77.4	
	~6.3	55.5	1.53	74.9	
	~8.4	55.4	1.52	48.9	

Comments: Amount purged 10.5 gal

Sampling Information

Date: 7/11/12	Time Sampled: 1215	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 19.33			

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 (NTU's)	Comments
B-10	57.5	7.02	1.53	8.49	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature):	Richard C Becken
Date:	7/11/12		

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

Monitoring Well I.D.: B-11	Date: 7/10/12	Time Started: 1400	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	23.71	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	19.04	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	4.67	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	0.79	FiveWell Volumes (gals.)	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:	NA
Lock Condition:	OK	Repair Required:	NA
Inner Casing Condition:	OK	Repair Required:	
Surface Seal Condition:	~~OK~~	Repair Required:	needs surface seal
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
0.79	~.8	57.4	1.42	1000+	
	~1.6	56.3	1.38	1000+	
	~2.4	56.4	1.36	101	
	~3.2	55.9	1.34	1000+	

Comments: Amount purged 4 gal

Sampling Information

Date: 7/10/12	Time Sampled: 1430	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 21.78			

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
B-11	56.1	7.07	1.34	79.2	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: B-12	Date: 7/16/12	Time Started: 1300	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 21.81	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 20.11	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 1.70	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 0.29	FiveWell Volumes (gals.) 1.45			
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: need paint
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
0.29	~0.3	56.4	1.03	1000 +	
	~0.6	54.9	1.11	1000 +	
	~0.9	54.8	1.12	1000 +	
	1.2	54.9	1.15	745	

Comments: Amount purged 1.5 gal

Sampling Information

Date: 7/16/12	Time Sampled: 1330	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 20.1			

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
B-12	55.3	7.0	1.13	143	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12	

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

Monitoring Well I.D.: B-13	Date: 7/18/12	Time Started: 1110	Field Personnel: RC Becken
Weather Conditions: Sunny some clouds warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 36.0	Riser Pipe Diameter (in) (2 in.)			
Measured Water Level (TOR - ft) 26.95	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 9.05	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.54	FiveWell Volumes (gals.) 7.7			

Notes:

Well Conditions

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

Casing Condition:	(OK)	Repair Required:
Cap Condition:	(OK)	Repair Required:
Paint Condition:	OK	Repair Required: needs paint
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: grunfos pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
1.54	~1.5	57.6	1.18	14.2	
	~3	55.8	1.12	4.09	
	~4.5	56.1	~~1.10~~ 1.10	1.53	
	~6	56.0	1.09	1.65	

Comments: Amount purged

Sampling Information

Date: 7/18/12	Time Sampled: 1135	Field Personnel: R C Becken	
Measured Water Level (TOR ft): 27.05			

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
B-13	55.0	6.83	1.10	62.3	

QA/QC Samples Taken: Field Dup #6

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/18/12

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

Monitoring Well I.D.: MW-14	Date: 7/16/12	Time Started: 0740	Field Personnel: RC Becken
Weather Conditions: Sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 15.77	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 15.73	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.)	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: needs paint
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: 7/16/12	Time Sampled:	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

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: B-15	Date: 7/11/12	Time Started: 1045	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 24.19	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 14.67	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 9.52	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.62	FiveWell Volumes (gals.) 8.1			
Notes:				

Well Conditions

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

Casing Condition:	(OK)	Repair Required:
Cap Condition:	(OK)	Repair Required:
Paint Condition:	~~OK~~	Repair Required: needs paint
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, Teflon Bailer, Peristaltic Pump, (Polyethylene Bailer), Sample Port (Pumping Wells Only), Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
1.62	~1.75	53.7	1.40	19.4	
	~3.5	52.2	1.30	14.8	
	~5.25	51.9	1.26	9.22	
	~6.5	51.7	1.22	9.78	

Comments: Amount purged 8.5 gal

Sampling Information

Date: 7/11/12	Time Sampled: 1120	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 17.7			

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B15	53.0	7.04	1.18	5.87	

QA/QC Samples Taken: Field Dup #2

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-16	Date: 7/10/12	Time Started: 807	Field Personnel: RC Becken
Weather Conditions: clear warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 25.15	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 21.22	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 3.93	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 0.67	FiveWell Volumes (gals.) 3.34			
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: NA
Lock Condition:	OK	Repair Required: NA
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
0.67	~.67	57.0	0.89	770	
	~1.35	54.0	0.89	648	
	~2.00	53.4	0.87	116	
	~2.67	53.3	0.88	97.7	

Comments: Amount purged 3.5 gal

Sampling Information

Date: 7/10/12	Time Sampled: 0830	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 21.13		

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
B-16	54.0	6.34	0.87	79.7	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: B-17 | Date: 7/18/12 | Time Started: 0750 | Field Personnel: RC Becken

Weather Conditions: Sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 26	Riser Pipe Diameter (in) (2 in.)			
Measured Water Level (TOR - ft) 21.23	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 4.77	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 0.81	FiveWell Volumes (gals.) 4.0			

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: need paint
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
0.81	~0.8	59.5	1.99	52.5	
	~1.6	56.8	1.89	4.0	
	~2.4	56.0	1.82	804	
	~3.3	55.9	1.67	657	

Comments: Amount purged ~4.5 gal

Sampling Information

Date: 7/18/12 | Time Sampled: 0825 | Field Personnel: R C Becken

Measured Water Level (TOR ft.): 21.84

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
B-17	56.4	6.75	1.38	63.9	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken | Sampler (signature): Richard C Becken | Date: 7/18/12

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

Monitoring Well I.D.: B-18	Date: 7/16/12	Time Started: 1095	Field Personnel: RC Becken

Weather Conditions: sunny clear warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	50.31	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	17.2	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	33.11	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	5.6	FiveWell Volumes (gals.)	28.1		

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: needs paint
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
5.6	~5.6	57.0	1.27	6.83	
	~11	58.1	1.22	9.79	
	~16.5	59.0	1.32	4.04	
	~22	59.1	1.50	1.36	

Comments: Amount purged 29 gal

Sampling Information

Date: 7/16/12	Time Sampled: 1145	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 39.5

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
B-18	56.4	7.09	1.56	3.97	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.:	B-19	Date:	Time Started: 1140	Field Personnel:	RC Becken

Weather Conditions: sunny warm, some clouds

Comments: level probe hits bottom at 26.13', no water ???

Initial Readings

Measured Well Bottom (TOR - ft)	26.13	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)		Conversion Factor (gal/lineal ft) (Circle One)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)			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: needs paint
Lock Condition:	OK	Repair Required:
Inner Casing Condition:	OK	Repair Required:
Surface Seal Condition:	OK	Repair Required:

dry well

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

Comments: Amount purged

Sampling Information

Date: 7/18/12	Time Sampled:	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
B-19					

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/18/12

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

Monitoring Well I.D.: B-20	Date: 7/17/12	Time Started: 1135	Field Personnel: RC Becken
Weather Conditions: sunny hot very humid			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	49.92	Riser Pipe Diameter (in)	2 in.
Measured Water Level (TOR - ft)	12.97	Conversion Factor (gal/lineal ft) (Circle One)	1.25" = 0.08 **2" = 0.17** 3" = 0.38 4" = 0.66 6" = 1.50 8" = 2.60
Calculated Water Column Height (ft)	36.95		
One Well Volume (gals.)	6.3	FiveWell Volumes (gals.)	31.5

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: needs paint
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
6.3	~6.3	54.4	1.09	5.52	
	~12.6	53.9	1.50	4.3	
	~19	54.8	1.60	3.63	
	~25	54.7	1.57	1.71	

Comments: Amount purged 32 gal

Sampling Information

Date: 7/17/12	Time Sampled: 1215	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 24.0			

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
B-20	54.7	7.14	1.61	9.17	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature):	Richard C Becken
Date: 7/17/12			

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

Monitoring Well I.D.: B-21 | Date: 7/19/12 | Time Started: 0855 | Field Personnel: RC Becken

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	26.54	Riser Pipe Diameter (in)	2 in.	
Measured Water Level (TOR - ft)	20.91	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled)	3" = 0.38
Calculated Water Column Height (ft)	5.63	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	0.96	FiveWell Volumes (gals.)	4.78		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
0.96	~1	58.5	0.98	1000+	
	~2	56.0	0.96	1600+	
	~3	55.3	0.96	76.6	
	~4	55.2	0.96	121	

Comments: Amount purged 5 gal

Sampling Information

Date: 7/19/12 | Time Sampled: 0925 | Field Personnel: R C Becken

Measured Water Level (TOR ft.): 22.94

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-21	56.0	6.75	0.96	776	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken | Sampler (signature): Richard C Becken | Date: 7/19/12

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

Monitoring Well I.D.: B-22	Date: 7/19/12	Time Started: 0940	Field Personnel: RC Becken

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 35.95	Riser Pipe Diameter (in) (2) in.			
Measured Water Level (TOR - ft) 30.48	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 5.47	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 0.93	FiveWell Volumes (gals.) 4.65			

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: NA
Lock Condition:	OK	Repair Required: NA
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
0.93	~1	57.7	1.41	610	
	~2	550	1.32	1006+	
	~3	54.7	1.25	54.7	
	~4	54.6	1.21	25.9	

Comments: Amount purged 5 gal

Sampling Information

Date: 7/19/12	Time Sampled: 1015	Field Personnel:	R C Becken

Measured Water Level (TOR ft.): 32.72

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
B-22	55.7	6.80	1.18	26.4	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/19/12

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

Monitoring Well I.D.: B-23	Date: 7/12/12	Time Started: 1105	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 31.59	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 27.77	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 3.82	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 0.65	FiveWell Volumes (gals.) 3.2			

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: needs painting
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
0.65	~5	55.1	1.17	55.4	
	~1	54.3	1.19	16.3	
	~1.5	53.6	1.19	16.0	
	~2	53.7	1.18	10.66	

Comments: Amount purged 4 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1130	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 29.75		

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
B-23	53.8	6.22	1.15	2.83	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-24	Date: 7/12/12	Time Started: 1240	Field Personnel: RC Becken
Weather Conditions: hot humid sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	28.3	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	17.1	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft)	11.2	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	1.9	FiveWell Volumes (gals.)	10		

Notes:

Well Conditions

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

Casing Condition:	(OK)	Repair Required: can't get purge pump down well
Cap Condition:	(OK)	Repair Required:
Paint Condition:	(OK)	Repair Required: needs paint
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
1.9	~2	53.9	1.23	91	
	~4	52.6	1.22	134	
	~6	52.0	1.23	127	
	~8	52.1	1.24	139	

Comments: Amount purged 10 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1325	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 12.28			

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

Sample I.D.	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-24	52.5	7.0	1.26	49.1	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-26	Date: 7/16/12	Time Started: 0835	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 30.11	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 15.3	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 14.81	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.52	FiveWell Volumes (gals.) 12.6			
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: needs paint
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: plunge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.52	~2.5	55.8	1.09	15.3	
	~5.0	55.2	1.02	23.5	
	~7.5	55.0	1.01	9.69	
	~10	55.1	1.02	~~3~~3.15	

Comments: Amount purged 13 gal

Sampling Information

Date: 7/16/12	Time Sampled: 0910	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 19.6		

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
B-26	56.9	6.46	1.02	38.8	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: B-28	Date: 7/19/12	Time Started: 1025	Field Personnel: RC Becken
Weather Conditions: overcast warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 34.5	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 29.32	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 5.18	(Circle One)	4" = 0.66	6" = 1.50	3" = 2.60
One Well Volume (gals.) 0.88	FiveWell Volumes (gals.) 4.4			

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: n/a
Lock Condition:	OK	Repair Required: NA
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
0.88	~1	58.8	1.23	1000+	
	~2	55.8	1.21	586	
	~3	55.2	1.22	590	
	~4	54.6	1.22	98	

Comments: Amount purged 5 gal

Sampling Information

Date: 7/19/12	Time Sampled: 1050	Field Personnel:	R C Becken

Measured Water Level (TOR ft.): 30.11

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-28	55.7	6.82	1.20	87.3	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/19/12	

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

Monitoring Well I.D.: B-29	Date: 7/12/12	Time Started: 1020	Field Personnel: RC Becken
Weather Conditions: Hot sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 38.52	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 30.68	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 7.84	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.33	FiveWell Volumes (gals.) 6.7			
Notes:				

Well Conditions

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

Casing Condition:	(OK)	Repair Required:
Cap Condition:	(OK)	Repair Required:
Paint Condition:	(OK)	Repair Required: needs paint
Lock Condition:	(OK)	Repair Required:
Inner Casing Condition:	(OK)	Repair Required:
Surface Seal Condition:	(OK)	Repair Required: well heaved

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
1.33	~1.3	56.8	1.17	82.8	
	~2.6	53.6	1.08	74.1	
	~3.9	52.8	1.09	71.4	
	~5.2	52.7	1.09	50.3	

Comments: Amount purged 7 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1055	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 30.67			

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

Sample I.D.	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-29	52.9	6.28	1.05	44.4	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-31	Date: 7/16/12	Time Started: 0920	Field Personnel: RC Becken
Weather Conditions: clear sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	43.66	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	11.55	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled)	3" = 0.38
Calculated Water Column Height (ft)	32.11	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	5.5	FiveWell Volumes (gals.)	27.5		
Notes:					

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
5.5	~5.5	54.5	0.87	28.8	
	11	53.9	0.86	8.44	
	16.5	52.8	0.86	3.12	
	22	52.6	0.86	2.58	

Comments: Amount purged 28 gal

Sampling Information

Date: 7/16/12	Time Sampled: 1300	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 11.77			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-31	55.5	6.72	0.79	226	

QA/QC Samples Taken: Field Dup #4
Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: B-32	Date: ~~7/5~~ 7/12/12	Time Started: 0935	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 40.48	Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 35.06	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17) 3" = 0.38
Calculated Water Column Height (ft) 5.42	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 0.9	FiveWell Volumes (gals.) 4.6		
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: needs paint
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
0.9	~1	53.5	1.32	81.8	
	~2	52.3	1.33	61.4	
	~3	52.3	1.33	131	
	~4	52.2	1.33	72.8	

Comments: Amount purged 5 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1010	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 37.55			

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

Sample I.D.	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-32	53.0	~~6.25~~ 6.25	1.33	66.5	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-33	Date: 7/12/12	Time Started: 0850	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	31.98	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	24.16	Conversion Factor (gal/lineal ft)		1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	7.82	(Circle One)		4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	1.33	FiveWell Volumes (gals.)	6.6			

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: needs paint
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
1.3	~1.3	53.2	1.26	78.4	
	~2.6	52.0	1.15	40.7	
	~3.9	52.4	1.15	26.5	
	~5.2	51.9	1.13	20.9	

Comments: Amount purged

Sampling Information

Date: 7/12/12	Time Sampled: 0925	Field Personnel:	R C Becken
Measured Water Level (TOR ft.):	27.22		

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
B-33	52.6	6.05	1.09	10.47	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-38 | Date: 7/19/12 | Time Started: 0800 | Field Personnel: RC Becken

Weather Conditions: overcast

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 41.21	Riser Pipe Diameter (in) (2) in.			
Measured Water Level (TOR - ft) 29.41	Conversion Factor (gal/lineal ft) (Circle One)	1.25" = 0.08	(2") = 0.17	3" = 0.38
Calculated Water Column Height (ft) 11.8		4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.0	FiveWell Volumes (gals.) 10			

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: needs paint
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
2	2	55.1	1.06	730	
	4	53.2	1.06	28.5	
	6	52.8	1.06	52.9	
	8	52.7	1.06	1000+	

Comments: Amount purged 10 gal

Sampling Information

Date: 7/19/12 | Time Sampled: 0846 | Field Personnel: R C Becken

Measured Water Level (TOR ft.): 38.7

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
B-38	54.5	6.73	1.09	94	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken | Sampler (signature): Richard C Becken | Date: 7/19/12

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

Monitoring Well I.D.: B-39	Date: 7/11/12	Time Started: 1430	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 44.91	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 23.36	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 21.55	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.66	FiveWell Volumes (gals.) 18.3			
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: needs paint
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
3.66	~3.6	55.3	1.22	94.2	
	~7.2	54.6	1.12	7.66	
	~10.8	54.5	1.06	2.1	
	~14.4	54.7	1.06	1.31	

Comments: Amount purged

Sampling Information

Date: 7/11/12	Time Sampled: 1500	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 23.36			

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
B-39	56.0	7.33	1.09	13.7	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C. Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-40	Date: 7/11/12	Time Started: 1340	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 57.97	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 23.71	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 34.26	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 5.82	FiveWell Volumes (gals.) 29.1			
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: needs paint
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
5.82	~6	55.2	1.20	2.28	
	~12	54.3	1.11	1.5	
	~18	54.7	1.06	1.67	
	~24	54.8	1.04	1.74	

Comments: Amount purged 30 gal

Sampling Information

Date: 7/11/12	Time Sampled: 1430	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 26.38			

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
B-40	55.4	7.52	1.19	6.7	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-41	Date: 7/11/12	Time Started: 1230	Field Personnel: RC Becken
Weather Conditions: Sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 72.61	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 24.43	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 48.18	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 8.2	FiveWell Volumes (gals.) 41			
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: needs paint
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 / Teflon Bailer / Peristaltic Pump / Polyethylene Bailer / Sample Port (Pumping Wells Only) / Other: Purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
8.2	~8.2	56.4	1.91	11.4	
	~16.4	54.5	1.96	2.21	
	~24.6	54.0	1.99	1.2	
	~32.8	54.3	1.97	0.85	

Comments: Amount purged

Sampling Information

Date: 7/11/12	Time Sampled: 1340	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 30.65

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-41	55.2	7.55	1.08	15.7	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-42 | Date: 7/18/12 | Time Started: 1000 | Field Personnel: RC Becken

Weather Conditions: sunny warm some clouds

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	45.39	Riser Pipe Diameter (in)	2 in.	
Measured Water Level (TOR - ft)	22.21	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft)	23.18	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.)	3.94	FiveWell Volumes (gals.)	19.7	

Notes:

Well Conditions

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

Casing Condition:	OK (circled)	Repair Required:
Cap Condition:	OK (circled)	Repair Required:
Paint Condition:	OK	Repair Required: needs paint
Lock Condition:	OK (circled)	Repair Required:
Inner Casing Condition:	OK (circled)	Repair Required:
Surface Seal Condition:	OK (circled)	Repair Required:

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
3.94	~4	56.8	1.08	10.5	
	~8	56.0	0.99	4.89	
	~12	55.5	0.99	1.89	
	~16	55.8	0.97	1.07	

Comments: Amount purged 20 gal

Sampling Information

Date: 7/18/12 | Time Sampled: 1045 | Field Personnel: R C Becken

Measured Water Level (TOR ft.): 22.2

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-42	57.6	6.95	0.94	8.8	

QA/QC Samples Taken: [redacted]

Comments:

Signature

Sampler (Print): Richard C. Becken | Sampler (signature): Richard C Becken | Date: 7/18/12

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

Monitoring Well I.D.:	B-43	Date: 7/18/12	Time Started: 0930	Field Personnel:	RC Becken
Weather Conditions:	sunny warm				
Comments:					

Initial Readings

Measured Well Bottom (TOR - ft)	66.85	Riser Pipe Diameter (in)	(2) in.		
Measured Water Level (TOR - ft)	22.74	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft)	36.11	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	6.1	FiveWell Volumes (gals.)	30.7		

Notes:

Well Conditions

Well Riser Type (Circle one):	(Stainless Steel)	Carbon Steel	PVC	
Casing Condition:	(OK)	Repair Required:		
Cap Condition:	(OK)	Repair Required:		
Paint Condition:	OK	Repair Required:	need paint	
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; Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Sample Port (Pumping Wells Only); Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
6.1	~6	57.4	1.70	2.92	
	~12	58.8	2.06	2.38	
	~18	60.7	1.63	5.37	well dry at 16.5 gal
	~24				

Comments: Amount purged 16.5 gal

Sampling Information

Date: 7/18/12	Time Sampled: 1100	Field Personnel:	R C Becken

Measured Water Level (TOR ft.): 18.76

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-43	58.4	6.79	1.27	2.93	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature):	Richard C Becken
		Date:	7/18/12

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

Monitoring Well I.D.: R-44	Date: 7/18/12	Time Started: 0830	Field Personnel: RC Becken

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 84.45	Riser Pipe Diameter (in) (2) in.			
Measured Water Level (TOR - ft) 23.67	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 60.83	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 10.34	FiveWell Volumes (gals.) 51.7			

Notes:

Well Conditions

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

Casing Condition:	(OK)	Repair Required:
Cap Condition:	(OK)	Repair Required:
Paint Condition:	OK	Repair Required: need paint
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, Teflon Bailer, Peristaltic Pump, (Polyethylene Bailer), Sample Port (Pumping Wells Only), Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
10.34	~10.5	59.0	3.65	7.02	
	~21	57.3	2.84	51.3	well dry

Comments: Amount purged ~21.5 gal

Sampling Information

Date: 7/18/12	Time Sampled: 0945	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 80.15

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-44	56.1	7.05	2.77	37.1	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/18/12

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

Monitoring Well I.D.: B-45	Date: 7/12/12	Time Started: 0800	Field Personnel: RC Becken
Weather Conditions: Sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 24.82	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 22.96	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 1.86	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 0.3	FiveWell Volumes (gals.) 1.58			
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: needs paint
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
0.3	~.3	56.6	1.61	1000+	well dry

Comments: Amount purged

Sampling Information

Date: 7/12/12	Time Sampled: 1445	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 22.16			

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

Sample I.D.	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-45	58.1	7.31	1.88	709	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/12/12	

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

Monitoring Well I.D.: B-46	Date: 7/12/12	Time Started: 0810	Field Personnel: RC Becken

Weather Conditions: Sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	39.91	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	25.41	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	14.5	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	2.47	FiveWell Volumes (gals.)	12.3		

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: needs paint
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
2.47	~2.5	53.0	1.34	59.5	
	~5	52.3	1.25	20	
	~7.5	51.9	1.22	10.25	
	~10	51.7	1.19	6.83	

Comments: Amount purged 12.5 gal

Sampling Information

Date: 7/12/12	Time Sampled: 0840	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 25.4

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
B-46	52.1	6.33	1.32	26.9	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-48 | Date: 7/18/12 | Time Started: 1300 | Field Personnel: RC Becken

Weather Conditions: sunny warm some clouds

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 46.86	Riser Pipe Diameter (in) (2 in.)			
Measured Water Level (TOR - ft) 24.05	Conversion Factor (gal/lineal ft) (Circle One)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 22.81		4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.9	Five Well Volumes (gals.) 19.5			

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: needs paint
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
3.9	~4	54.0	1.29	22.6	
	~8	53.6	1.13	3.06	
	~12	53.4	1.15	2.35	
	~16	53.3	1.14	1.38	

Comments: Amount purged 20 gal

Sampling Information

Date: 7/18/12 | Time Sampled: 1325 | Field Personnel: R C Becken

Measured Water Level (TOR ft.): 24.11

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
B-48	53.6	7.21	0.93	13.2	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken | Sampler (signature): Richard C Becken | Date: 7/18/12

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

Monitoring Well I.D.: B-49	Date: 7/18/12	Time Started: 1205	Field Personnel: RC Becken

Weather Conditions: warm some clouds

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 82.54	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 31.04	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2") = 0.17	3" = 0.38
Calculated Water Column Height (ft) 51.5	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 8.76	Five Well Volumes (gals.) 44			

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: need paint
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) Teflon Bailer; Peristaltic Pump; Polyethylene Bailer; Sample Port (Pumping Wells Only); Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
8.76	~8.8	59.0	2.92	16.4	
	~17.6	55.6	2.89	3.69	
	~26.4	55.4	2.93	2.42	
		55.4	2.94	2.25	

Comments: Amount purged 45 gal

Sampling Information

Date: 7/18/12	Time Sampled: 1300	Field Personnel:	R C Becken

Measured Water Level (TOR ft.): 42.5

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-49	55.2	6.75	2.75	28.7	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/18/12

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

Monitoring Well I.D.: B-50	Date: 7/17/12	Time Started: 1235	Field Personnel: RC Becken
Weather Conditions: sunny hot humid			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	35.75	Riser Pipe Diameter (in)	(2) in.
Measured Water Level (TOR - ft)	13.8	Conversion Factor (gal/lineal ft) (Circle One)	1.25" = 0.08 (2" = 0.17) 3" = 0.38 4" = 0.66 6" = 1.50 8" = 2.60
Calculated Water Column Height (ft)	21.95		
One Well Volume (gals.)	3.73	FiveWell Volumes (gals.)	18.7

Notes:

Well Conditions

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

Casing Condition:	(OK)	Repair Required:
Cap Condition:	(OK)	Repair Required:
Paint Condition:	OK	Repair Required: need paint
Lock Condition:	(OK)	Repair Required:
Inner Casing Condition:	(OK)	Repair Required:
Surface Seal Condition:	OK	Repair Required: needs replacement

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
3.73	~3.75	58.0	0.85	40.3	
	~7.5	57.1	0.85	12.0	
	~10.25	56.7	0.84	6.91	
	~16	54.8	0.83	6.76	

Comments: Amount purged 19.0 gal

Sampling Information

Date: 7/17/12	Time Sampled: 1310	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 13.84			

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
B-50	58.3	7.11	0.84	64.9	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/17/12

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

Monitoring Well I.D.: B-52	Date: 7/17/12	Time Started: 1000	Field Personnel: RC Becken
Weather Conditions: sunny hot windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	22.4	Riser Pipe Diameter (in)	2 in.
Measured Water Level (TOR - ft)	13.51	Conversion Factor (gal/lineal ft) (Circle One)	1.25" = 0.08 **2" = 0.17** 3" = 0.38 4" = 0.66 6" = 1.50 8" = 2.60
Calculated Water Column Height (ft)	8.89		
One Well Volume (gals.)	1.51	FiveWell Volumes (gals.)	7.6

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: needs paint
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
1.51	~1.5	56.2	1.11	103	
	~3	54.8	1.07	69.8	
	~4.5	54.5	1.05	42.0	
	~6	54.4	1.03	31.5	

Comments: Amount purged 10 gal

Sampling Information

Date: 7/17/12	Time Sampled: 1040	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 13.51			

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
B-52	56.2	7.08	1.05	1000+	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/17/12

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

Monitoring Well I.D.: B-53	Date: 7/17/12	Time Started: 0900	Field Personnel: RC Becken
Weather Conditions: hot sunny windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 37.29	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 13.45	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 23.84	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 4.1	FiveWell Volumes (gals.) 20.5			
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: need paint
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
4.1	~4.1	54.9	0.99	6.35	
	~8.2	54.2	0.97	2.0	
	~12.3	54.0	0.97	1.55	
	16.4	53.6	0.96	0.86	

Comments: Amount purged 21 gal

Sampling Information

Date: 7/17/12	Time Sampled: 0940	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 13.5			

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
B-53	54.1	7.10	0.93	53.8	

QA/QC Samples Taken: Field Dup #5

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/17/12

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

Monitoring Well I.D.: B-54	Date: 7/17/12	Time Started: 0820	Field Personnel: RC Becken

Weather Conditions: sunny windy warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	57.46	Riser Pipe Diameter (in)	2 in.
Measured Water Level (TOR - ft)	13.54	Conversion Factor (gal/lineal ft)	1.25" = 0.08 **2" = 0.17** 3" = 0.38
Calculated Water Column Height (ft)	43.92	(Circle One)	4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.)	7.47	FiveWell Volumes (gals.)	37.33

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:	needs paint	
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
7.47	~7.5	55.9	1.38	13.4	
	12	55.5	1.53	1000+	well dry

Comments: Amount purged ~12 gal

Sampling Information

Date: 7/17/12	Time Sampled: 1050	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 51.13

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
B-54	54.2	9.29	1.38	38.2	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/17/12

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

Monitoring Well I.D.: B-55	Date: 7/17/12	Time Started: 0745	Field Personnel: RC Becken
Weather Conditions: clear warm windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	84.65	Riser Pipe Diameter (in)	2 in.	
Measured Water Level (TOR - ft)	29.26	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft)	55.39	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.)	9.42	FiveWell Volumes (gals.)	47.1	

Notes:

Well Conditions

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

Casing Condition:	OK (circled)	Repair Required:
Cap Condition:	OK (circled)	Repair Required:
Paint Condition:	OK	Repair Required: needs paint
Lock Condition:	OK (circled)	Repair Required:
Inner Casing Condition:	OK (circled)	Repair Required:
Surface Seal Condition:	OK (circled)	Repair Required:

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
9.42	~9.5	54.7	3.63	1,92	
	18	55.7	3.77	25.5	well dry

Comments: Amount purged ~18 gal

Sampling Information

Date: 7/17/12	Time Sampled: 1100	Field Personnel:	R C Becken

Measured Water Level (TOR ft.): 68.45

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

Sample I.D	Temperature (deg C)	pH (S U)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-55	53.9	7.13	3.64	5.25	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature):	Date: 7/17/12

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

Monitoring Well I.D.: B-56	Date: 7/12/12	Time Started: 1200	Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	39.62	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	27.09	Conversion Factor (gal/lineal ft)		1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	12.53	(Circle One)		4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	2.13	FiveWell Volumes (gals.)	10.65		

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: need paint
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: pump pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.13	~2	56.4	1.94	182.5	
	~4	55.0	1.26	37.2	
	~6	55.1	1.17	24.3	
	~8	54.0	1.10	15.2	

Comments: Amount purged 11 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1235	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 29.03

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

Sample I.D.	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-56	54.3	7.07	1.31	158	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-57	Date: 7/12/12	Time Started: 1140	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 50.55	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 29.22	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 21.33	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.6	FiveWell Volumes (gals.) 18.1			
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: needs paint	
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
3.6	~3.5	56.3	2.28	8.33	
	~4.2	58.9	2.32	15.9	well dry

Comments: Amount purged 4.1 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1355	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 28.75			

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
B57	55.7	6.87	2.21	18.9	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/12/12	

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

Monitoring Well I.D.: B-58	Date: 7/12/12	Time Started: 1335	Field Personnel: RC Becken
Weather Conditions: Sunny hot humid			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 63.6	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) 37.24	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 6.33	FiveWell Volumes (gals.) 31.65		
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: need paint
Lock Condition:	OK	Repair Required: needs lock
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
6.33	~6.5	58.3	1.43	66	
	~13	54.0	1.52	~~35~~ 35.2	
	~19.5	53.4	1.48	16.5	
	~26	53.4	1.44	13.2	

Comments: Amount purged 33 gal

Sampling Information

Date: 7/12/12	Time Sampled: 1440	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 38.1			

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

Sample I.D	Temperature (deg F)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-58	56.8	3.39	1.41	65.1	

QA/QC Samples Taken: Field Dup #2
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/12/12

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

Monitoring Well I.D.: B-59	Date: 7/11/12	Time Started: 0800	Field Personnel: RC Becken
Weather Conditions: sunny clear warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 69.03	Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 29.98	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft) 40.05	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 6.8	FiveWell Volumes (gals.) 34		
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: needs paint
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: [redacted]

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
6.8	~6.8	51.7	1.63	57.1	
	~13.6	52.0	1.68	51.2	
	20.4	51.9	1.97	40	
	26.9	52.1	2.15	34.6	

Comments: Amount purged 34 gal

Sampling Information

Date: 7/11/12	Time Sampled: 0920	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 30.3		

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
B-59	53.4	7.13	2.11	33.0	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-60	Date: 7/11/12	Time Started: 0920	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 29.45	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 22.65	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 6.8	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.16	FiveWell Volumes (gals.) 5.78			
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: needs paint
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
1.16	~1.15	56.9	1.11	14.8	
	~2.30	53.7	1.02	12.0	
	~3.45	52.4	0.95	8.77	
	~4.60	52.7	0.93	5.07	

Comments: Amount purged 6 gal

Sampling Information

Date: 7/11/12	Time Sampled: 0940	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 23.09			

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
B-60	54.5	7.51	0.89	37.4	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-61	Date: 7/11/12	Time Started: 0945	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 55.03	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 22.96	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 32.07	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 5.45	FiveWell Volumes (gals.) 27.3			
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: needs paint
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, Teflon Bailer, Peristaltic Pump, Polyethylene Bailer, Sample Port (Pumping Wells Only), Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
5.45	~5.5	53.5	1.83	15.1	
	~11	54.6	2.13	2.39	
	~16.5	53.4	1.88	2.69	
	~22	53.3	1.74	1.32	

Comments: Amount purged 28 gal

Sampling Information

Date: 7/11/12	Time Sampled: 1645	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 35.65		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-61	55.0	7.5	1.35	52.4	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 7/11/12

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

Monitoring Well I.D.: B-62	Date: 7/10/12	Time Started: 1050	Field Personnel: RC Becken
Weather Conditions: hot sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 91.44	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 12.21	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 79.23	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 13.5	FiveWell Volumes (gals.) 67.3			
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: NA
Lock Condition:	OK	Repair Required: NA
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
13.5	~13.5	53.7	2.95	3.63	
	~27	52.7	2.94	3.44	
	~36.2	52.9	2.96	0.61	
	~54	52.3	2.92	1.03	

Comments: Amount purged 58 gal

Sampling Information

Date: 7/10/12	Time Sampled: 1210	Field Personnel:	R C Becken
Measured Water Level (TOR ft): 12.25			

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
B-62	56.6	7.01	2.88	87.4	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: B-63	Date: 7/10/12	Time Started: 0835	Field Personnel: RC Becken
Weather Conditions: warm clear			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 27.21	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 20.61	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 6.6	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.12	FiveWell Volumes (gals.) 5.61			
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: N/A
Lock Condition:	~~OK~~	Repair Required: N/A
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: ~~Peristaltic Pump~~

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
1.12	~1.12	58.5	1.03	46.2	
	~2.24	55.2	1.00	7.03	
	~3.36	34.4	1.04	82.4	
	~4.5	54.1	1.02	8.25	

Comments: Amount purged 6 gal

Sampling Information

Date: 7/16/12	Time Sampled: 0910	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 28.7			

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
B-63	56.4	6.81	1.03	5.69	

QA/QC Samples Taken: Field Dup #1
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: B-64	Date: 7/10/12	Time Started: 0910	Field Personnel: RC Becken
Weather Conditions: warm sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 42.37	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 20.76	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 21.61	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.67	FiveWell Volumes (gals.) 18.4			
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: NA
Lock Condition:	OK	Repair Required: NA
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
3.67	~3.5	55.4	0.79	3.88	
	~7	53.1	0.76	2.08	
	~10.5	52.9	0.75	0.96	
	~14	52.7	0.75	0.82	

Comments: Amount purged 19 gal

Sampling Information

Date: 7/10/12	Time Sampled: 0950	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 20.75			

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
B-64	53.7	6.16	1.10	22.5	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: B-65	Date: 7/10/12	Time Started: 10:00	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 57.15	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 20.97	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 36.18	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 6.15	FiveWell Volumes (gals.) 30.75			
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: NA
Lock Condition:	OK	Repair Required: NA
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
6.15	~6.15	54.4	2.25	5.58	
	~12.3	54.2	2.34	1.96	
	~18.5	53.6	2.35	0.84	
	~25	54.6	2.37	0.78	

Comments: Amount purged 31 gals

Sampling Information

Date: 7/10/12	Time Sampled: 1050	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 33.17		

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
B-65	54.8	6.91	2.38	2.75	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: B-66	Date: 7/10/12	Time Started: 1220	Field Personnel: RC Becken
Weather Conditions: hot sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 41.15	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 22.1	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 19.05	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.24	FiveWell Volumes (gals.) 16.2			
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: NA
Lock Condition:	OK	Repair Required: NA
Inner Casing Condition:	(OK)	Repair Required:
Surface Seal Condition:	(OK)	Repair Required:

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
3.24	~3.2	57.2	0.85	30.3	
	~6.4	52.8	0.73	16.5	
	~9.6	52.1	0.73	14.7	
	~12.8	52.2	0.74	12.7	

Comments: Amount purged 13 gal

Sampling Information

Date: 7/10/12	Time Sampled: 1310	Field Personnel: R C Becken	
Measured Water Level (TOR ft): 22.12			

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-66	52.6	7.06	0.75	8.96	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: B-67	Date: 7/10/12	Time Started: 1315	Field Personnel: RC Becken
Weather Conditions: sunny hot			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 24.8	Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 18.3	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft) 6.5	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 1.1	FiveWell Volumes (gals.) 5.5		
Notes:			

Well Conditions

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

Casing Condition:	OK (circled)	Repair Required:
Cap Condition:	OK (circled)	Repair Required:
Paint Condition:	OK	Repair Required: N/A
Lock Condition:	OK	Repair Required: N/A
Inner Casing Condition:	OK (circled)	Repair Required:
Surface Seal Condition:	OK (circled)	Repair Required:

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
1.1	~1.1	53.2	1.22	39.8	
	~2.2	52.6	1.23	31.0	
	~3.3	52.5	1.23	34.9	
	~4.4	52.2	1.23	23.2	

Comments: Amount purged 6 gal

Sampling Information

Date: 7/10/12	Time Sampled: 1345	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 18.9			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-67	53.0	7.35	1.23	9.84	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: P-2	Date: 7/19/12	Time Started: 1115	Field Personnel: RC Becken
Weather Conditions: overcast warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 21.9	Riser Pipe Diameter (in) 4 in.			
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.37
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: NA
Paint Condition:	OK	Repair Required: NA
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: 7/19/12	Time Sampled: 1115	Field Personnel:	R C Becken

Measured Water Level (TOR ft.): 21.9

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
P-2	53.9	6.77	1.57	27.3	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/19/12	

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

Monitoring Well I.D.: P-3	Date: 7/16/12	Time Started: 1230	Field Personnel: RC Becken
Weather Conditions: hot sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 26.34	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.)	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 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: 7/16/12	Time Sampled: 1230	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 26.34			

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
P-3	84.8	7.38	1.63	22.2	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/16/12

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

Monitoring Well I.D.: P-4	Date:	Time Started: 1340	Field Personnel: RC Becken
Weather Conditions: sunny windy hot 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.)	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 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: 7/17/12	Time Sampled: 1340	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 24.93

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
P-4	56.5	7.3	1.14	0.66	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/17/12

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

Monitoring Well I.D.: PW-1	Date: 7/18/12	Time Started: 0810	Field Personnel: RC Becken

Weather Conditions: Sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	ID 2in.		
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.)	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 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: 7/18/12	Time Sampled: 0810	Field Personnel: R C Becken

Measured Water Level (TOR ft): 27.7

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
PW-1	58.4	6.94	1.02	1.21	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/18/12

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

Monitoring Well I.D.: PW-3	Date: 7/10/12	Time Started: 1440	Field Personnel: RC Becken
Weather Conditions: hot sunny			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) 6 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.)	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: NA		
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: 7/10/12	Time Sampled: 1445	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 61.77			

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
PW-3	57.5	7.52	0.76	4.0	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/10/12

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

Monitoring Well I.D.: PW-4	Date: 7/19/12	Time Started: 1125	Field Personnel: RC Becken
Weather Conditions: overcast warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	4 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.)	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: NA	
Paint Condition:	OK	Repair Required: NA	
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: 7/19/12	Time Sampled: 1125	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 10.59			

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
PW-4	58.3	6.94	0.93	1.27	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 7/19/12

APPENDIX B

LABORATORY DATA REPORTS

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 23, 2012

Project: BP Sanborn

Submittal Date: 07/11/2012
Group Number: 1321263
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
B-16 Water	6716069
B-63 Water	6716070
B-64 Water	6716071
B-65 Water	6716072
B-65 Matrix Spike Water	6716073
B-65 Matrix Spike Dup Water	6716074
Field Dup #1 Water	6716075
B-62 Water	6716076
B-66 Water	6716077
B-67 Water	6716078
B-11 Water	6716079
PW-3 Water	6716080

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

2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: B-16 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-16

LLI Sample # WW 6716069
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 08:30 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-16-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	1.2	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: B-16 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-16

LLI Sample # WW 6716069
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 08:30 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-16-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 10:26	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 10:26	Linda C Pape	1

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

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Analysis Report

Sample Description: B-63 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-63

LLI Sample # WW 6716070
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 09:10 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-63-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: B-63 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-63

LLI Sample # WW 6716070
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 09:10 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-63-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 10:50	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 10:50	Linda C Pape	1

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

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Analysis Report

Sample Description: B-64 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6716071
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 09:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-64-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-64 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6716071
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 09:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-64-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 11:14	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 11:14	Linda C Pape	1

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

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Analysis Report

Sample Description: B-65 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6716072
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 10:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-65-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-65 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6716072
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 10:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-65-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 11:38	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 11:38	Linda C Pape	1

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

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Analysis Report

Sample Description: B-65 Matrix Spike Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6716073
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 10:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-65-

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	
10903	Benzyl Chloride	100-44-7	12	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	15	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	22	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	19	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	13	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	22	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	19	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	18	1.0	5.0	1
10903	Methylene Chloride	75-09-2	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	25	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-65 Matrix Spike Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6716073
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 10:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-65-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 12:02	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 12:02	Linda C Pape	1

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Analysis Report

Sample Description: B-65 Matrix Spike Dup Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6716074
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 10:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-65-

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	
10903	Benzyl Chloride	100-44-7	12	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	15	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	24	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	19	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	13	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	22	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	23	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	19	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	18	1.0	5.0	1
10903	Methylene Chloride	75-09-2	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	25	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	22	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-65 Matrix Spike Dup Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6716074
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 10:50 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-65-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 12:26	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 12:26	Linda C Pape	1

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

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2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 • 717-656-2300 Fax: 717-656-2681 • www.lancasterlabs.com

Analysis Report

Sample Description: Field Dup #1 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6716075
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

FD--1

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: **Field Dup #1 Water**
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6716075
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

FD--1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 12:50	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 12:50	Linda C Pape	1

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Analysis Report

Sample Description: B-62 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-62

LLI Sample # WW 6716076
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 12:10 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-62-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-62 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-62

LLI Sample # WW 6716076
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 12:10 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-62-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 13:14	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 13:14	Linda C Pape	1

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Analysis Report

Sample Description: B-66 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-66

LLI Sample # WW 6716077
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 13:10 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-66-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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Analysis Report

Sample Description: B-66 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-66

LLI Sample # WW 6716077
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 13:10 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-66-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 13:38	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 13:38	Linda C Pape	1

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Analysis Report

Sample Description: B-67 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-67

LLI Sample # WW 6716078
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 13:45 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-67-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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.

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Analysis Report

Sample Description: B-67 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-67

LLI Sample # WW 6716078
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 13:45 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-67-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 14:03	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 14:03	Linda C Pape	1

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Analysis Report

Sample Description: B-11 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-11

LLI Sample # WW 6716079
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 14:30 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-11-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	27		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.4	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	15		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	270		10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-11 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY B-11

LLI Sample # WW 6716079
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 14:30 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

B-11-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 14:26	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121982AA	07/16/2012 19:20	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 14:26	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121982AA	07/16/2012 19:20	Linda C Pape	10

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

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Analysis Report

Sample Description: PW-3 Water
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY PW-3

LLI Sample # WW 6716080
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 14:45 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

PW-3-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	9.5		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	1,400		16	100	20
10903	trans-1,2-Dichloroethene	156-60-5	8.2		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	2.4	J	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	2,900		20	100	20
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	4.1	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

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Analysis Report

Sample Description: **PW-3 Water**
BP Sanborn COC: 208436
2040 Cory Drive - Sanborn, NY PW-3

LLI Sample # WW 6716080
LLI Group # 1321263
Account # 12495

Project Name: BP Sanborn

Collected: 07/10/2012 14:45 by RB

Submitted: 07/11/2012 09:25
Reported: 07/23/2012 18:05

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

PW-3-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121961AA	07/14/2012 14:51	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 04:47	Sarah A Guill	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121961AA	07/14/2012 14:51	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T121983AA	07/17/2012 04:47	Sarah A Guill	20

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

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321263
Reported: 07/23/12 at 06:05 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: T121961AA	Sample number(s): 6716069-6716080								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	85		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	93		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	85		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	71		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	104		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	78		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	89		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	95		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	81		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	98		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	102		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	60		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	102		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	104		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	105		80-120		
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	105		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	104		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	94		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	98		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	105		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	104		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	117		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	105		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	91		56-128		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	100		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	87		56-123		
Batch number: T121982AA	Sample number(s): 6716079								
Trichloroethene	N.D.	1.0	5.0	ug/l	107		80-120		
Batch number: T121983AA	Sample number(s): 6716080								
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	108		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	109		80-120		

*- 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: 1321263
Reported: 07/23/12 at 06:05 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: T121961AA	Sample number(s): 6716069-6716080 UNSPK: 6716072								
Benzyl Chloride	62	62	62-120	1	30				
Bromobenzene	101	106	82-115	5	30				
Bromodichloromethane	106	107	78-125	2	30				
Bromoform	84	84	48-118	0	30				
Bromomethane	73	76	38-149	4	30				
Carbon Tetrachloride	119	120	72-135	1	30				
Chlorobenzene	108	109	87-124	2	30				
Chloroethane	111	119	51-145	7	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	105	106	81-134	1	30				
Chloromethane	95	94	67-154	2	30				
Dibromochloromethane	99	101	74-116	2	30				
Dibromomethane	107	108	83-119	1	30				
1,2-Dichlorobenzene	103	106	84-119	2	30				
1,3-Dichlorobenzene	103	106	86-121	3	30				
1,4-Dichlorobenzene	103	107	85-121	4	30				
Dichlorodifluoromethane	67	65	52-129	3	30				
1,1-Dichloroethane	114	114	84-129	0	30				
1,2-Dichloroethane	108	111	68-131	3	30				
1,1-Dichloroethene	118	120	85-142	2	30				
cis-1,2-Dichloroethene	112	115	85-125	3	30				
trans-1,2-Dichloroethene	116	115	87-126	1	30				
1,2-Dichloropropane	108	110	83-124	2	30				
cis-1,3-Dichloropropene	95	95	70-116	0	30				
trans-1,3-Dichloropropene	88	88	74-119	0	30				
Methylene Chloride	104	105	78-133	1	30				
1,1,1,2-Tetrachloroethane	109	112	82-119	3	30				
1,1,2,2-Tetrachloroethane	96	100	72-128	4	30				
Tetrachloroethene	116	118	80-128	2	30				
1,1,1-Trichloroethane	123	123	74-131	0	30				
1,1,2-Trichloroethane	104	106	77-124	1	30				
Trichloroethene	118	118	88-133	0	30				
Trichlorofluoromethane	113	109	64-146	3	30				
1,2,3-Trichloropropane	100	99	76-118	1	30				
Vinyl Chloride	100	100	66-133	0	30				
Batch number: T121982AA	Sample number(s): 6716079 UNSPK: P718133								
Trichloroethene	120	121	88-133	1	30				
Batch number: T121983AA	Sample number(s): 6716080 UNSPK: P719403								
cis-1,2-Dichloroethene	113	115	85-125	1	30				
Trichloroethene	115	119	88-133	3	30				

Surrogate 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321263
Reported: 07/23/12 at 06:05 PM

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: T121961AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6716069	100	100	97	98
6716070	102	102	98	97
6716071	101	101	99	99
6716072	104	103	98	98
6716073	105	100	100	100
6716074	104	103	99	100
6716075	104	102	100	98
6716076	105	103	100	100
6716077	105	101	98	99
6716078	105	101	99	101
6716079	105	103	100	102
6716080	109	104	100	101
Blank	101	103	97	96
LCS	99	99	101	100
MS	105	100	100	100
MSD	104	103	99	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (water)
Batch number: T121982AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	107	100	97	100
LCS	104	99	102	104
MS	103	100	100	102
MSD	104	102	100	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (water)
Batch number: T121983AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	104	101	100	103
LCS	104	100	101	106
MS	103	103	100	104
MSD	104	101	101	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.

Project Name: BP Sanborn
LLI Group #: 1321263

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 #: T121961AA (Sample number(s): 6716069-6716080 UNSPK: 6716072)

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

A-12495 G-1321263 S-6716069-81

bp rm

Laboratory Management Program LaMP Chain of Custody Record

208436

Page 1 of 2

BP Site Node Path: BP, Sanborn

Req Due Date (mm/dd/yy): _____ Rush TAT: Yes ___ No X

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: NYS DEC	Address: 40 LaRivere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barbel

BP PM Phone: (716) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	Report Type & QC Level
	B-16	7/10/12	0830		X		Y	3	X					X	Standard ___ Full Data Package ___
	B-63		0910				Y	3	X					X	
	B-64		0950				Y	3	X					X	
	B-65		1050				Y	3	X					X	
	B-65 MS		1050				Y	3	X					X	
	B-65 MSD		1050				Y	3	X					X	
	Field Dup #1						Y	3	X					X	
	B-62		1210				Y	3	X					X	
	B-66		1310				Y	3	X					X	
	B-67		1345				Y	3	X					X	

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O+M Ent.	Richard C Becker O+M	7/10/12	1600			
Shipment Method: Fed Ex Ship Date: 7/10/12						
Shipment Tracking No: 898635808932				[illegible]	7-11-12	925

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2-6 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

A-12495 G-132/263 S-67/6069-81

208435

bp rm Laboratory Management Program LaMP Chain of Custody Record

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: NYSDEC	Address: 40 LaRivere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barbel

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	Report Type & QC Level
	B-11	7/10/12	1430		X		Y	3	X					X	
	PW-3	7/10/12	1445		X		Y	3	X					X	

Report Type & QC Level: Standard ___ Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becken	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: OHM Enterprises Inc.	Richard C Becken OHM Ent	7/10/12	1600			
Shipment Method: Fed Ex Ship Date: 7/10/12						
Shipment Tracking No: 898635808932				Brandy Kuntzel	7-11-12	925

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.6 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: DP

Date of Receipt: 9.11.12

Time of Receipt: 925

Source Code: SO-1

Shipping Container Sealed: (YES) NO

Custody 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	2737	2.6	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Brandy Burk 2209 **Date/Time:** 9-11-12 12:28

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 20, 2012

Project: BP Sanborn

Submittal Date: 07/12/2012
Group Number: 1321552
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
B-10 Water	6717352
B-10 Matrix Spike Water	6717353
B-10 Matrix Spike Dup Water	6717354
Field Dup #2 Water	6717355
B-15 Water	6717356
B-61 Water	6717357
B-60 Water	6717358
B-59 Water	6717359
B-41 Water	6717360
B-40 Water	6717361
B-9 Water	6717362
B-39 Water	6717363

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

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Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: B-10 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6717352
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 12:15 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-10-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	5.4		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	3.2	J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	32		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-10 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6717352
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 12:15 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-10-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 19:13	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 19:13	Brett W Kenyon	1

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

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Analysis Report

Sample Description: B-10 Matrix Spike Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6717353
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 12:15 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-10-

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	
10903	Benzyl Chloride	100-44-7	15	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	16	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10903	Chlorobenzene	108-90-7	20	0.80	5.0	1
10903	Chloroethane	75-00-3	17	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	19	0.80	5.0	1
10903	Chloromethane	74-87-3	16	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	18	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	19	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	18	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	19	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	22	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	26	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	20	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
10903	Methylene Chloride	75-09-2	19	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	19	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	22	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	23	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	53	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-10 Matrix Spike Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6717353
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 12:15 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-10-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 19:37	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 19:37	Brett W Kenyon	1

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

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Analysis Report

Sample Description: B-10 Matrix Spike Dup Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6717354
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 12:15 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-10-

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	
10903	Benzyl Chloride	100-44-7	17	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	16	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	17	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	16	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	22	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	19	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	23	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	23	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	28	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	23	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	20	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	21	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	25	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	56	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	18	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

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Analysis Report

Sample Description: B-10 Matrix Spike Dup Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6717354
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 12:15 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-10-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 19:59	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 19:59	Brett W Kenyon	1

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

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Analysis Report

Sample Description: Field Dup #2 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6717355
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

FD--2

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: **Field Dup #2 Water**
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6717355
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

FD--2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 20:23	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 20:23	Brett W Kenyon	1

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Analysis Report

Sample Description: B-15 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-15

LLI Sample # WW 6717356
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 11:20 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-15-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-15 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-15

LLI Sample # WW 6717356
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 11:20 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-15-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 20:46	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 20:46	Brett W Kenyon	1

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Analysis Report

Sample Description: B-61 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-61

LLI Sample # WW 6717357
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 10:45 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-61-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-61 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-61

LLI Sample # WW 6717357
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 10:45 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-61-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 21:09	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 21:09	Brett W Kenyon	1

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Analysis Report

Sample Description: B-60 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-60

LLI Sample # WW 6717358
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 09:40 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-60-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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.

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Analysis Report

Sample Description: B-60 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-60

LLI Sample # WW 6717358
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 09:40 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-60-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 21:33	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 21:33	Brett W Kenyon	1

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Analysis Report

Sample Description: B-59 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-59

LLI Sample # WW 6717359
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 09:20 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-59-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.4	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-59 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-59

LLI Sample # WW 6717359
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 09:20 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-59-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 21:56	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 21:56	Brett W Kenyon	1

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Analysis Report

Sample Description: B-41 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6717360
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 13:40 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-41-

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	5.8	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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Analysis Report

Sample Description: **B-41 Water**
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6717360
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 13:40 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-41-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 22:19	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 22:19	Brett W Kenyon	1

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Analysis Report

Sample Description: B-40 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-40

LLI Sample # WW 6717361
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 14:30 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-40-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	2.6	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	2.1	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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.

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Analysis Report

Sample Description: B-40 Water
BP Sanborn COC: 208434
2040 Cory Drive - Sanborn, NY B-40

LLI Sample # WW 6717361
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 14:30 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-40-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121952BA	07/13/2012 22:43	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121952BA	07/13/2012 22:43	Brett W Kenyon	1

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Analysis Report

Sample Description: B-9 Water
BP Sanborn COC: 208433
2040 Cory Drive - Sanborn, NY B-9

LLI Sample # WW 6717362
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 15:10 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-09-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	1.1	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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.

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Analysis Report

Sample Description: B-9 Water
BP Sanborn COC: 208433
2040 Cory Drive - Sanborn, NY B-9

LLI Sample # WW 6717362
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 15:10 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-09-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L121952AA	07/13/2012 23:56	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121952AA	07/13/2012 23:56	Kelly E Keller	1

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Analysis Report

Sample Description: B-39 Water
BP Sanborn COC: 208433
2040 Cory Drive - Sanborn, NY B-39

LLI Sample # WW 6717363
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 15:00 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-39-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	2.8	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	7.3		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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.

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Analysis Report

Sample Description: B-39 Water
BP Sanborn COC: 208433
2040 Cory Drive - Sanborn, NY B-39

LLI Sample # WW 6717363
LLI Group # 1321552
Account # 12495

Project Name: BP Sanborn

Collected: 07/11/2012 15:00 by RCB

Submitted: 07/12/2012 09:20
Reported: 07/20/2012 13:56

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

B-39-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	L121952AA	07/14/2012 00:18	Kelly E Keller	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L121952AA	07/14/2012 00:18	Kelly E Keller	1

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

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321552
Reported: 07/20/12 at 01:56 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: L121952AA	Sample number(s): 6717362-6717363								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	92	94	60-120	2	30
Bromobenzene	N.D.	1.0	5.0	ug/l	104	105	80-120	1	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	110	109	73-120	1	30
Bromoform	N.D.	1.0	5.0	ug/l	94	94	61-120	0	30
Bromomethane	N.D.	1.0	5.0	ug/l	109	108	44-120	1	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	119	118	67-122	0	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	109	108	80-120	1	30
Chloroethane	N.D.	1.0	5.0	ug/l	106	104	49-129	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	95	97	56-129	2	30
Chloroform	N.D.	0.80	5.0	ug/l	113	111	77-122	2	30
Chloromethane	N.D.	1.0	5.0	ug/l	95	95	60-129	1	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	106	106	72-120	0	30
Dibromomethane	N.D.	1.0	5.0	ug/l	108	107	80-120	1	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	104	80-120	0	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	103	105	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	105	80-120	1	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	110	107	47-120	3	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	106	106	79-120	0	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	125	124	64-130	1	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	114	112	80-120	1	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	111	109	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	110	108	80-120	2	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	97	98	80-120	0	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106	107	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100	101	79-120	1	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	107	106	80-126	1	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	109	107	79-120	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93	96	75-123	3	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	114	112	79-120	1	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	112	112	70-121	0	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	105	105	80-120	1	30
Trichloroethene	N.D.	1.0	5.0	ug/l	113	112	80-120	1	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	135*	131*	56-128	3	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103	105	76-120	2	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	103	102	56-123	1	30
Batch number: N121952BA	Sample number(s): 6717352-6717361								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	89		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	103		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	105		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	97		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	75		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	104		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	79		49-129		

*- 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: 1321552
Reported: 07/20/12 at 01:56 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	92		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	97		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	73		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	111		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	103		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	82		47-120		
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	101		80-120		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101		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	111		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	95		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	102		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	105		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	105		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	94		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	107		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	100		56-128		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	108		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	78		56-123		

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: N121952BA	Sample number(s): 6717352-6717361 UNSPK: 6717352								
Benzyl Chloride	76	83	62-120	9	30				
Bromobenzene	96	104	82-115	8	30				
Bromodichloromethane	102	109	78-125	6	30				
Bromoform	84	91	48-118	8	30				
Bromomethane	81	81	38-149	1	30				
Carbon Tetrachloride	109	117	72-135	7	30				
Chlorobenzene	101	108	87-124	7	30				
Chloroethane	85	84	51-145	1	30				
2-Chloroethyl Vinyl Ether	89	92	10-151	4	30				
Chloroform	97	104	81-134	7	30				
Chloromethane	78	80	67-154	3	30				
Dibromochloromethane	100	109	74-116	8	30				
Dibromomethane	101	107	83-119	6	30				
1,2-Dichlorobenzene	91	100	84-119	9	30				
1,3-Dichlorobenzene	97	105	86-121	8	30				
1,4-Dichlorobenzene	92	100	85-121	8	30				
Dichlorodifluoromethane	95	93	52-129	3	30				
1,1-Dichloroethane	108	115	84-129	7	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321552
Reported: 07/20/12 at 01:56 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
1,2-Dichloroethane	107	114	68-131	6	30				
1,1-Dichloroethene	109	117	85-142	7	30				
cis-1,2-Dichloroethene	105	114	85-125	7	30				
trans-1,2-Dichloroethene	107	114	87-126	7	30				
1,2-Dichloropropane	102	109	83-124	7	30				
cis-1,3-Dichloropropene	106	116	70-116	9	30				
trans-1,3-Dichloropropene	98	108	74-119	10	30				
Methylene Chloride	94	100	78-133	7	30				
1,1,1,2-Tetrachloroethane	97	106	82-119	8	30				
1,1,2,2-Tetrachloroethane	93	98	72-128	5	30				
Tetrachloroethene	111	121	80-128	9	30				
1,1,1-Trichloroethane	99	107	74-131	6	30				
1,1,2-Trichloroethane	98	108	77-124	10	30				
Trichloroethene	104	120	88-133	6	30				
Trichlorofluoromethane	113	113	64-146	0	30				
1,2,3-Trichloropropane	96	100	76-118	4	30				
Vinyl Chloride	87	88	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: L121952AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6717362	109	105	96	94
6717363	109	105	95	94
Blank	107	103	97	96
LCS	105	101	99	101
LCSD	103	100	99	100
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: N121952BA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6717352	104	103	97	92
6717353	102	104	103	101
6717354	101	103	104	102
6717355	104	100	97	93
6717356	103	101	96	92
6717357	105	100	96	92
6717358	103	100	96	91
6717359	105	102	96	92
6717360	106	101	95	90
6717361	104	101	97	92
Blank	102	100	97	92

*- 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321552
Reported: 07/20/12 at 01:56 PM

Surrogate Quality Control

LCS	101	103	103	101
MS	102	104	103	101
MSD	101	103	104	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.

Case Narrative

Project Name: BP Sanborn
LLI Group #: 1321552

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 #: L121952AA (Sample number(s): 6717362-6717363)

The recovery(ies) for the following analyte(s) in the LCS and/or LCSD exceeded the acceptance window indicating a positive bias: Trichlorofluoromethane

A-12495 G-1321552 S-6717352-64

Laboratory Management Program LaMP Chain of Custody Record 208434

bp rm

BP Site Node Path: BP Sanborn

BP Facility No:

Req Due Date (mm/dd/yy):

Rush TAT: Yes ___ No ___

Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster, PA 1760[illegible]	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone (716) 467-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Wilcox and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260									Comments
	B-10	7/11/12	1215		X		Y	3	X					X									
	B-10 MS		1215		X		Y	3	X					X									
	B-10 MSD		1215		X		Y	3	X					X									
	Field Dup #2				X		Y	3	X					X									
	B-15		1120		X		Y	3	X					X									
	B-61		1045		X		Y	3	X					X									
	B-60		0940		X		Y	3	X					X									
	B-59		0920		X		Y	3	X					X									
	B-41		1340		X		Y	3	X					X									
	B-40		1430		X		Y	3	X					X									

Comments — Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Baker

Sampler's Company: O&M Enterprises Inc.

Shipment Method: Fed Ex Ship Date: 7/11/12

Shipment Tracking No: 898635808943

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Richard C Baker O&M	7/11/12	1600			
			[signature]	7/12/12	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

A-12495 G-1321552 S-671352-64 208433

bp rm Laboratory Management Program LaMP Chain of Custody Record

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: NYSDEC	Address: 40 La Riviere Dr, Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2306	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Walker and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ___ Contractor ___
BP Project Manager (PM): Bill Barker		
BP PM Phone: (716) 241-8038		
BP PM Email:		

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	Report Type & QC Level
	B-9	7/11/12	1510		X		Y	3	X					X	Standard ___ Full Data Package ___
	B-39	7/11/12	1500		X		Y	3	X					X	Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: D&M Enterprises Inc.	Richard C Becker D&M	7/11/12	1600			
Shipment Method: Fed Ex Ship Date: 7/11/12						
Shipment Tracking No: 898635808943				Brent Hunt CCI	7-12-12	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.9 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: bp

Date of Receipt: 9.12.12

Time of Receipt: 920

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody 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	2997	3.4	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 2294 **Date/Time:** 9.12.12 1204

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 23, 2012

Project: BP Sanborn

Submittal Date: 07/13/2012
Group Number: 1321879
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
B-45 Water	6719393
B-58 Water	6719394
B-57 Water	6719395
B-24 Water	6719396
Field Dup #3 Water	6719397
B-56 Water	6719398
B-23 Water	6719399
B-29 Water	6719400
B-32 Water	6719401
B-33 Water	6719402
B-46 Water	6719403
B-46 Matrix Spike Water	6719404
B-46 Matrix Spike Dup Water	6719405

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

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Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: B-45 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-45

LLI Sample # WW 6719393
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 14:45 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B45

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-45 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-45

LLI Sample # WW 6719393
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 14:45 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B45

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121981AA	07/16/2012 19:47	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121981AA	07/16/2012 19:47	Brett W Kenyon	1

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

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Analysis Report

Sample Description: B-58 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-58

LLI Sample # WW 6719394
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 14:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B58

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-58 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-58

LLI Sample # WW 6719394
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 14:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B58

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121981AA	07/16/2012 20:11	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121981AA	07/16/2012 20:11	Brett W Kenyon	1

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Analysis Report

Sample Description: B-57 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6719395
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 13:55 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B57

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-57 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6719395
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 13:55 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B57

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121981AA	07/16/2012 20:34	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121981AA	07/16/2012 20:34	Brett W Kenyon	1

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

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Analysis Report

Sample Description: B-24 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-24

LLI Sample # WW 6719396
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 13:25 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B24

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**	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	2.3	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-24 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-24

LLI Sample # WW 6719396
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 13:25 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B24

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121981AA	07/16/2012 20:58	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121981AA	07/16/2012 20:58	Brett W Kenyon	1

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Analysis Report

Sample Description: Field Dup #3 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6719397
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--BF5

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: **Field Dup #3 Water**
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6719397
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--BF5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N121981AA	07/16/2012 21:21	Brett W Kenyon	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N121981AA	07/16/2012 21:21	Brett W Kenyon	1

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

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Analysis Report

Sample Description: B-56 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6719398
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 12:35 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B56

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	25		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.2	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	190		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-56 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6719398
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 12:35 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B56

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121991AA	07/17/2012 12:10	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121991AA	07/17/2012 12:10	Linda C Pape	1

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Analysis Report

Sample Description: B-23 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6719399
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 11:30 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B23

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	1.1	J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	240		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.91	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	4.8	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-23 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6719399
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 11:30 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 05:10	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 05:10	Sarah A Guill	1

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Analysis Report

Sample Description: B-29 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-29

LLI Sample # WW 6719400
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 10:55 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B29

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	15		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	1.9	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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.

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Analysis Report

Sample Description: B-29 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-29

LLI Sample # WW 6719400
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 10:55 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B29

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 05:34	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 05:34	Sarah A Guill	1

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Analysis Report

Sample Description: B-32 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-32

LLI Sample # WW 6719401
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 10:10 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

-B32-

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	23		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.0	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	1.5	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	9.8		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

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Analysis Report

Sample Description: B-32 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-32

LLI Sample # WW 6719401
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 10:10 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

-B32-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 05:58	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 05:58	Sarah A Guill	1

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

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Analysis Report

Sample Description: B-33 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-33

LLI Sample # WW 6719402
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 09:25 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B33

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-33 Water
BP Sanborn COC: 208431
2040 Cory Drive - Sanborn, NY B-33

LLI Sample # WW 6719402
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 09:25 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B33

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 06:22	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 06:22	Sarah A Guill	1

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

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Analysis Report

Sample Description: B-46 Water
BP Sanborn COC: 208432
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6719403
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 08:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B46

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	46		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	10		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	3.3	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.

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Analysis Report

Sample Description: B-46 Water
BP Sanborn COC: 208432
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6719403
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 08:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B46

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 03:34	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 03:34	Sarah A Guill	1

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Analysis Report

Sample Description: B-46 Matrix Spike Water
BP Sanborn COC: 208432
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6719404
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 08:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

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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	
10903	Benzyl Chloride	100-44-7	16	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	25	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	21	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	24	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	25	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	68	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	22	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
10903	Methylene Chloride	75-09-2	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	26	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	33	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	25	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	24	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.

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Analysis Report

Sample Description: B-46 Matrix Spike Water
BP Sanborn COC: 208432
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6719404
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 08:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B46

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 03:58	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 03:58	Sarah A Guill	1

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Analysis Report

Sample Description: B-46 Matrix Spike Dup Water
BP Sanborn COC: 208432
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6719405
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 08:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

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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	
10903	Benzyl Chloride	100-44-7	16	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	20	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	26	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	24	0.80	5.0	1
10903	Chloromethane	74-87-3	22	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	22	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	25	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	26	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	69	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	23	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	23	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	21	1.0	5.0	1
10903	Methylene Chloride	75-09-2	22	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	27	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	34	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	25	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25	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

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Analysis Report

Sample Description: B-46 Matrix Spike Dup Water
BP Sanborn COC: 208432
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6719405
LLI Group # 1321879
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2012 08:40 by RB

Submitted: 07/13/2012 09:30
Reported: 07/23/2012 18:05

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

--B46

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T121983AA	07/17/2012 04:22	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T121983AA	07/17/2012 04:22	Sarah A Guill	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321879
Reported: 07/23/12 at 06:05 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N121981AA	Sample number(s): 6719393-6719397								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	94	95	60-120	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	110	107	80-120	3	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	116	115	73-120	1	30
Bromoform	N.D.	1.0	5.0	ug/l	103	103	61-120	1	30
Bromomethane	N.D.	1.0	5.0	ug/l	81	80	44-120	2	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	116	111	67-122	5	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	112	110	80-120	2	30
Chloroethane	N.D.	1.0	5.0	ug/l	84	81	49-129	4	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	96	95	56-129	1	30
Chloroform	N.D.	0.80	5.0	ug/l	109	106	77-122	3	30
Chloromethane	N.D.	1.0	5.0	ug/l	82	80	60-129	2	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	120	119	72-120	1	30
Dibromomethane	N.D.	1.0	5.0	ug/l	115	115	80-120	0	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	103	80-120	1	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	108	106	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	101	80-120	3	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	92	85	47-120	8	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	111	108	79-120	3	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	122	120	64-130	2	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	107	105	80-120	2	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	111	107	80-120	3	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	108	106	80-120	2	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	113	110	80-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	122*	121*	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	115	114	79-120	1	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	101	99	80-126	2	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	112	110	79-120	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	111	110	75-123	1	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	114	111	79-120	3	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102	98	70-121	4	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	115	116	80-120	1	30
Trichloroethene	N.D.	1.0	5.0	ug/l	114	109	80-120	4	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	112	105	56-128	6	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	114	113	76-120	0	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	84	82	56-123	2	30
Batch number: T121983AA	Sample number(s): 6719399-6719405								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	95		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	103		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	105		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	88		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	92		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	121		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	108		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	95		49-129		

*- 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: 1321879
Reported: 07/23/12 at 06:05 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	92		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	107		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	92		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	103		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	109		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	105		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	106		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	77		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	113		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	121		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		80-120		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	108		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	110		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	109		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	109		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	103		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	105		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	108		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	107		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	122*		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	108		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	109		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	114		56-128		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	114		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	98		56-123		
Batch number: T121991AA	Sample number(s): 6719398								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	86		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	105		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	86		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	91		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	117		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	107		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	95		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	93		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	109		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	94		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	100		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	107		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	69		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	114		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	128		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	108		80-120		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	108		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	111		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	111		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	105		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	110		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	127*		79-120		

*- 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: 1321879
Reported: 07/23/12 at 06:05 PM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	122*		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	107		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	118		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	109		56-128		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	104		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	96		56-123		

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: T121983AA	Sample number(s): 6719399-6719405 UNSPK: 6719403								
Benzyl Chloride	78	82	62-120	5	30				
Bromobenzene	100	105	82-115	4	30				
Bromodichloromethane	109	110	78-125	1	30				
Bromoform	85	84	48-118	1	30				
Bromomethane	96	99	38-149	3	30				
Carbon Tetrachloride	127	129	72-135	2	30				
Chlorobenzene	111	111	87-124	0	30				
Chloroethane	100	101	51-145	1	30				
2-Chloroethyl Vinyl Ether	90	93	10-151	3	30				
Chloroform	113	118	81-134	4	30				
Chloromethane	106	110	67-154	4	30				
Dibromochloromethane	101	101	74-116	1	30				
Dibromomethane	108	110	83-119	1	30				
1,2-Dichlorobenzene	103	108	84-119	4	30				
1,3-Dichlorobenzene	102	107	86-121	5	30				
1,4-Dichlorobenzene	102	107	85-121	4	30				
Dichlorodifluoromethane	83	83	52-129	1	30				
1,1-Dichloroethane	120	125	84-129	4	30				
1,2-Dichloroethane	125	130	68-131	4	30				
1,1-Dichloroethene	119	124	85-142	4	30				
cis-1,2-Dichloroethene	113	115	85-125	1	30				
trans-1,2-Dichloroethene	116	122	87-126	5	30				
1,2-Dichloropropane	111	115	83-124	4	30				
cis-1,3-Dichloropropene	109	114	70-116	4	30				
trans-1,3-Dichloropropene	102	104	74-119	2	30				
Methylene Chloride	106	111	78-133	4	30				
1,1,1,2-Tetrachloroethane	111	110	82-119	1	30				
1,1,2,2-Tetrachloroethane	98	102	72-128	4	30				
Tetrachloroethene	117	121	80-128	3	30				
1,1,1-Trichloroethane	129	134*	74-131	4	30				
1,1,2-Trichloroethane	107	107	77-124	0	30				
Trichloroethene	115	119	88-133	3	30				
Trichlorofluoromethane	126	127	64-146	1	30				
1,2,3-Trichloropropane	104	107	76-118	4	30				
Vinyl Chloride	104	107	66-133	2	30				
Batch number: T121991AA	Sample number(s): 6719398 UNSPK: P720312								
Benzyl Chloride	84	87	62-120	4	30				
Bromobenzene	99	101	82-115	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: 1321879
Reported: 07/23/12 at 06:05 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Bromodichloromethane	106	103	78-125	2	30				
Bromoform	82	80	48-118	3	30				
Bromomethane	98	97	38-149	1	30				
Carbon Tetrachloride	129	126	72-135	2	30				
Chlorobenzene	105	107	87-124	2	30				
Chloroethane	101	100	51-145	0	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	111	111	81-134	0	30				
Chloromethane	99	101	67-154	2	30				
Dibromochloromethane	97	97	74-116	0	30				
Dibromomethane	107	104	83-119	3	30				
1,2-Dichlorobenzene	100	103	84-119	3	30				
1,3-Dichlorobenzene	101	103	86-121	2	30				
1,4-Dichlorobenzene	101	105	85-121	4	30				
Dichlorodifluoromethane	83	79	52-129	5	30				
1,1-Dichloroethane	117	118	84-129	1	30				
1,2-Dichloroethane	123	123	68-131	1	30				
1,1-Dichloroethene	114	117	85-142	2	30				
cis-1,2-Dichloroethene	111	109	85-125	2	30				
trans-1,2-Dichloroethene	113	112	87-126	1	30				
1,2-Dichloropropane	111	110	83-124	1	30				
cis-1,3-Dichloropropene	108	109	70-116	1	30				
trans-1,3-Dichloropropene	101	101	74-119	0	30				
Methylene Chloride	104	106	78-133	2	30				
1,1,1,2-Tetrachloroethane	110	106	82-119	3	30				
1,1,2,2-Tetrachloroethane	96	97	72-128	2	30				
Tetrachloroethene	108	112	80-128	3	30				
1,1,1-Trichloroethane	127	127	74-131	0	30				
1,1,2-Trichloroethane	104	103	77-124	1	30				
Trichloroethene	113	112	88-133	1	30				
Trichlorofluoromethane	125	125	64-146	0	30				
1,2,3-Trichloropropane	103	103	76-118	1	30				
Vinyl Chloride	107	108	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: N121981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6719393	102	98	96	92
6719394	103	100	96	92
6719395	104	100	94	92
6719396	103	102	95	92
6719397	105	104	95	91
Blank	105	100	95	91
LCS	101	99	102	104

*- 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1321879
Reported: 07/23/12 at 06:05 PM

Surrogate Quality Control

LCSD	102	104	103	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: T121983AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6719399	104	100	101	103
6719400	107	101	99	101
6719401	106	100	99	102
6719402	107	103	99	102
6719403	108	100	99	104
6719404	103	103	100	104
6719405	104	101	101	102
Blank	104	101	100	103
LCS	104	100	101	106
MS	103	103	100	104
MSD	104	101	101	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: T121991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6719398	106	101	100	101
Blank	104	101	99	103
LCS	106	102	103	107
MS	105	103	100	106
MSD	104	99	101	104
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.

Project Name: BP Sanborn
LLI Group #: 1321879

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 #: N121981AA (Sample number(s): 6719393-6719397)

The recovery(ies) for the following analyte(s) in the LCS and/or LCSD exceeded the acceptance window indicating a positive bias: cis-1,3-Dichloropropene

Batch #: T121983AA (Sample number(s): 6719399-6719405 UNSPK: 6719403)

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

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

Batch #: T121991AA (Sample number(s): 6719398 UNSPK: P720312)

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

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

bp 12495 / 1321879 / 6719393-406

Laboratory Management Program LaMP Chain of Custody Record

208431

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 Platterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No: 124226	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260
	B-45	7/12/12	1445		X		Y	3	X					X
	B-58		1440				Y	3	X					X
	B-57		1355				Y	3	X					X
	B-24		1325				Y	3	X					X
	Field Dup #3						Y	3	X					X
	B-56		1235				Y	3	X					X
	B-23		1130				Y	3	X					X
	B-29		1055				Y	3	X					X
	B-32		1010				Y	3	X					X
	B-33		0925				Y	3	X					X

Report Type & QC Level: Standard ___ Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Booker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises Inc.	[signature] -LL1	6-29-12	0710	[signature]	7/7/12	1640
Shipment Method: Fed Ex Ship Date:	[signature] O&M	7/12/12	1600	[signature] LL1	7.13.12	930
Shipment Tracking No: 898635808954						

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

12495/1321879/6719393-406

bp rm

Laboratory Management Program LaMP Chain of Custody Record 208432

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: NYS DEC	Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 6562300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber
BP PM Phone: (216) 271-8038
BP PM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	Comments
	B-33	7/12/12	0925		X		Y	3	X					X	SAMPLE B-33
	B-46	|	0840		X		Y	3	X					X	NOT RECEIVED
	B-46 MS	|	0840		X		Y	3	X					X	IN DUPLICATE KNP 7/13/12
	B-46 MSD	|	0840		X		Y	3	X					X	

Comments note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker
Sampler's Company: O+M Enterprises Inc.
Shipment Method: Fed EX Ship Date: 7/12/12
Shipment Tracking No: 898635808954

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature] O+M	7/12/12	1600			
			[signature] LLI	7-13-12	930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 9.13.12

Time of Receipt: 930

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody 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	2939	3.4	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

Paperwork Discrepancy/Unpacking Problems:

Rec 3 vials for B-33

Unpacker Signature/Emp#: [signature] 2299 **Date/Time:** 9-13-12 1326

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 20, 2012

Project: BP Sanborn

Submittal Date: 07/17/2012
Group Number: 1322436
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
B-5 Water	6722026
B-12 Water	6722027
B-3 Water	6722028
P-3 Water	6722029
Field Dup #4 Water	6722030
B-18 Water	6722031
B-8 Water	6722032
B-31 Water	6722033
B-26 Water	6722034
B-26 Matrix Spike Water	6722035
B-26 Matrix Spike Dup Water	6722036
B-7 Water	6722037

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

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Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: B-5 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6722026
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 14:25 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-5

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	33		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.3	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	260		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	1.8	J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-5 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6722026
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 14:25 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 07:01	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 07:01	Christopher G Torres	1

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

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Analysis Report

Sample Description: B-12 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6722027
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 13:30 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN12

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	29	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	7.8	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	280	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	8.6	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	35	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	1,700	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-12 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6722027
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 13:30 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 07:25	Christopher G Torres	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 11:29	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 07:25	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W122001AA	07/18/2012 11:29	Emily R Styer	10

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Analysis Report

Sample Description: B-3 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-3

LLI Sample # WW 6722028
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 12:45 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-3

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	1.6	J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	200		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	3.1	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	26		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-3 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-3

LLI Sample # WW 6722028
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 12:45 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 07:48	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 07:48	Christopher G Torres	1

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

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Analysis Report

Sample Description: P-3 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY P-3

LLI Sample # WW 6722029
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 12:30 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SANP3

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	83		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	3.9	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	1.2	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: P-3 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY P-3

LLI Sample # WW 6722029
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 12:30 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SANP3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 08:11	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 08:11	Christopher G Torres	1

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

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Analysis Report

Sample Description: Field Dup #4 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6722030
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

Atlantic Richfield(Parsons-NY)
BP Corporation
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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.5	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	1.0	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: Field Dup #4 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6722030
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

Atlantic Richfield(Parsons-NY)
BP Corporation
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
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 08:35	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 08:35	Christopher G Torres	1

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Analysis Report

Sample Description: B-18 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-18

LLI Sample # WW 6722031
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 11:45 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN18

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	7.0		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	4.0	J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-18 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-18

LLI Sample # WW 6722031
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 11:45 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 08:58	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 08:58	Christopher G Torres	1

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Analysis Report

Sample Description: B-8 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6722032
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 10:40 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-8

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	
10903	Benzyl Chloride	100-44-7	N.D.	2.0	10	2
10903	Bromobenzene	108-86-1	N.D.	2.0	10	2
10903	Bromodichloromethane	75-27-4	N.D.	2.0	10	2
10903	Bromoform	75-25-2	N.D.	2.0	10	2
10903	Bromomethane	74-83-9	N.D.	2.0	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2.0	10	2
10903	Chlorobenzene	108-90-7	N.D.	1.6	10	2
10903	Chloroethane	75-00-3	N.D.	2.0	10	2
10903	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.					
10903	Chloroform	67-66-3	N.D.	1.6	10	2
10903	Chloromethane	74-87-3	N.D.	2.0	10	2
10903	Dibromochloromethane	124-48-1	N.D.	2.0	10	2
10903	Dibromomethane	74-95-3	N.D.	2.0	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.	2.0	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.	2.0	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.	2.0	10	2
10903	Dichlorodifluoromethane	75-71-8	N.D.	4.0	10	2
10903	1,1-Dichloroethane	75-34-3	N.D.	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	32	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	5,500	16	100	20
10903	trans-1,2-Dichloroethene	156-60-5	36	1.6	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2.0	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.0	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.0	10	2
10903	Methylene Chloride	75-09-2	N.D.	4.0	10	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2.0	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.0	10	2
10903	Tetrachloroethene	127-18-4	11	1.6	10	2
10903	1,1,1-Trichloroethane	71-55-6	N.D.	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10	2
10903	Trichloroethene	79-01-6	56,000	200	1,000	200
10903	Trichlorofluoromethane	75-69-4	N.D.	4.0	10	2
10903	1,2,3-Trichloropropane	96-18-4	N.D.	2.0	10	2
10903	Vinyl Chloride	75-01-4	340	2.0	10	2

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-8 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6722032
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 10:40 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 09:22	Christopher G Torres	2
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 09:45	Christopher G Torres	20
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 11:05	Emily R Styer	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 09:22	Christopher G Torres	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W122001AA	07/18/2012 09:45	Christopher G Torres	20
01163	GC/MS VOA Water Prep	SW-846 5030B	3	W122001AA	07/18/2012 11:05	Emily R Styer	200

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Analysis Report

Sample Description: B-31 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-31

LLI Sample # WW 6722033
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 10:00 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN31

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.3	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-31 Water
BP Sanborn COC: 208437
2040 Cory Drive - Sanborn, NY B-31

LLI Sample # WW 6722033
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 10:00 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 06:38	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 06:38	Christopher G Torres	1

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

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Analysis Report

Sample Description: B-26 Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6722034
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 09:10 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN26

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-26 Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6722034
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 09:10 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 05:27	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 05:27	Christopher G Torres	1

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Analysis Report

Sample Description: B-26 Matrix Spike Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6722035
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 09:10 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN26

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	
10903	Benzyl Chloride	100-44-7	13	1.0	5.0	1
10903	Bromobenzene	108-86-1	18	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	16	1.0	5.0	1
10903	Bromoform	75-25-2	12	1.0	5.0	1
10903	Bromomethane	74-83-9	22	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	19	1.0	5.0	1
10903	Chlorobenzene	108-90-7	18	0.80	5.0	1
10903	Chloroethane	75-00-3	21	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	25	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	17	0.80	5.0	1
10903	Chloromethane	74-87-3	18	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	15	1.0	5.0	1
10903	Dibromomethane	74-95-3	15	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	17	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	17	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	16	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	24	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	19	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	19	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	18	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	17	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	18	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	17	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	17	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	17	1.0	5.0	1
10903	Methylene Chloride	75-09-2	17	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	17	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	15	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	18	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	18	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	16	0.80	5.0	1
10903	Trichloroethene	79-01-6	18	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	31	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	14	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	23	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-26 Matrix Spike Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6722035
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 09:10 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 05:51	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 05:51	Christopher G Torres	1

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

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Analysis Report

Sample Description: B-26 Matrix Spike Dup Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6722036
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 09:10 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN26

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	
10903	Benzyl Chloride	100-44-7	12	1.0	5.0	1
10903	Bromobenzene	108-86-1	17	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	16	1.0	5.0	1
10903	Bromoform	75-25-2	11	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	17	1.0	5.0	1
10903	Chlorobenzene	108-90-7	17	0.80	5.0	1
10903	Chloroethane	75-00-3	19	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	29	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	17	0.80	5.0	1
10903	Chloromethane	74-87-3	17	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	15	1.0	5.0	1
10903	Dibromomethane	74-95-3	15	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	16	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	16	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	16	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	22	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	18	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	19	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	17	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	17	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	17	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	16	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	17	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	16	1.0	5.0	1
10903	Methylene Chloride	75-09-2	16	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	16	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	14	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	17	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	19	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	15	0.80	5.0	1
10903	Trichloroethene	79-01-6	17	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	28	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	14	1.0	5.0	1
10903	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 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-26 Matrix Spike Dup Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6722036
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 09:10 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 06:14	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 06:14	Christopher G Torres	1

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

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Analysis Report

Sample Description: B-7 Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-7

LLI Sample # WW 6722037
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 08:25 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-7

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	1.1	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	3.8	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 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

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Analysis Report

Sample Description: B-7 Water
BP Sanborn COC: 208438
2040 Cory Drive - Sanborn, NY B-7

LLI Sample # WW 6722037
LLI Group # 1322436
Account # 12495

Project Name: BP Sanborn

Collected: 07/16/2012 08:25 by RCB

Submitted: 07/17/2012 09:30
Reported: 07/20/2012 20:04

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

SAN-7

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W122001AA	07/18/2012 05:04	Christopher G Torres	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W122001AA	07/18/2012 05:04	Christopher G Torres	1

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

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1322436
Reported: 07/20/12 at 08:04 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: W122001AA	Sample number(s): 6722026-6722037								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	81		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	104		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	93		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	77		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	76		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	99		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	105		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	71		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	144*		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	68		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	94		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	99		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	78		47-120		
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	115		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	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	102		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	97		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	96		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	100		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	98		56-128		
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	77		56-123		

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

	MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- 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: 1322436
Reported: 07/20/12 at 08:04 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: W122001AA	Sample number(s): 6722026-6722037 UNSPK: 6722034								
Benzyl Chloride	63	61*	62-120	3	30				
Bromobenzene	88	86	82-115	3	30				
Bromodichloromethane	82	78	78-125	5	30				
Bromoform	60	56	48-118	7	30				
Bromomethane	108	97	38-149	11	30				
Carbon Tetrachloride	93	87	72-135	7	30				
Chlorobenzene	89	86*	87-124	3	30				
Chloroethane	104	93	51-145	11	30				
2-Chloroethyl Vinyl Ether	123	145	10-151	16	30				
Chloroform	87	86	81-134	2	30				
Chloromethane	92	87	67-154	6	30				
Dibromochloromethane	77	73*	74-116	5	30				
Dibromomethane	76*	75*	83-119	1	30				
1,2-Dichlorobenzene	84	79*	84-119	5	30				
1,3-Dichlorobenzene	84*	78*	86-121	7	30				
1,4-Dichlorobenzene	82*	81*	85-121	2	30				
Dichlorodifluoromethane	122	111	52-129	9	30				
1,1-Dichloroethane	94	91	84-129	3	30				
1,2-Dichloroethane	96	94	68-131	3	30				
1,1-Dichloroethene	90	86	85-142	5	30				
cis-1,2-Dichloroethene	87	83*	85-125	4	30				
trans-1,2-Dichloroethene	90	86*	87-126	4	30				
1,2-Dichloropropane	83	81*	83-124	3	30				
cis-1,3-Dichloropropene	86	84	70-116	2	30				
trans-1,3-Dichloropropene	84	80	74-119	5	30				
Methylene Chloride	86	81	78-133	7	30				
1,1,1,2-Tetrachloroethane	84	80*	82-119	5	30				
1,1,2,2-Tetrachloroethane	73	71*	72-128	3	30				
Tetrachloroethene	92	87	80-128	6	30				
1,1,1-Trichloroethane	92	94	74-131	2	30				
1,1,2-Trichloroethane	79	76*	77-124	4	30				
Trichloroethene	88	86*	88-133	2	30				
Trichlorofluoromethane	154*	140	64-146	9	30				
1,2,3-Trichloropropane	71*	72*	76-118	1	30				
Vinyl Chloride	116	107	66-133	8	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: W122001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6722026	100	98	107	102
6722027	102	101	106	101
6722028	102	101	106	101
6722029	102	101	106	101
6722030	101	100	105	100
6722031	103	100	105	100
6722032	102	99	107	102
6722033	102	101	105	102
6722034	102	99	104	101

*- 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1322436
Reported: 07/20/12 at 08:04 PM

Surrogate Quality Control

6722035	102	99	107	103
6722036	102	97	107	105
6722037	102	100	105	101
Blank	100	100	105	102
LCS	101	97	107	105
MS	102	99	107	103
MSD	102	97	107	105
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.

Project Name: BP Sanborn
LLI Group #: 1322436

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.1C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-7.9 C.

Analysis Specific Comments:

SW-846 8260B, GC/MS Volatiles

Batch #: W122001AA (Sample number(s): 6722026-6722037 UNSPK: 6722034)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: 2-Chloroethyl Vinyl Ether

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Benzyl Chloride, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, Trichloroethene, 1,2-Dichloropropane, Dibromomethane, 1,1,2-Trichloroethane, Dibromochloromethane, Chlorobenzene, 1,1,1,2-Tetrachloroethane, 1,1,2,2-Tetrachloroethane, 1,2,3-Trichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, Trichlorofluoromethane

A-12495 G-1322436 S-6722026-038

208437

bp rm

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP, Sanborn

BP Facility No:

Req Due Date (mm/dd/yy):

Rush TAT: Yes ___ No ✓

Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2046 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: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	Comments
	B-5	7/16/12	1425		X		Y	3	X					X	
	B-12	"	1330		X		Y	3	X					X	
	B-3	"	1245		X		Y	3	X					X	
	P-3	"	1230		X		Y	3	X					X	
	Field Dup #4	"			X		Y	3	X					X	
	B-18	"	1145		X		Y	3	X					X	
	B-8	"	1040		X		Y	3	X					X	
	B-31	"	1000		X		Y	3	X					X	

Comments — Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker

Sampler's Company: O&M Enterprises Inc.

Shipment Method: Fed Ex Ship Date: 7/16/12

Shipment Tracking No: 898635808976

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Richard C Becker	7/16/12	1500			
			[signature] LLI	7.17.12	930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 8.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

6.1-7.4

A-12495 G-1322436 S-6722026-38 208438

Laboratory Management Program LaMP Chain of Custody Record

BP Site Node Path: BP, Sanborn

BP Facility No:

Req Due Date (mm/dd/yy):

Rush TAT: Yes ___ No ✓

Lab Work Order Number:

Lab Name: 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: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260										Comments
	B-26	7/16/12	0910		X		Y	3	X					X										
	B-26 MS	〃	0910																					
	B-26 MSD	〃	0910																					
	B-7	〃	0825																					

Matrix: Soil / Solid, Water / Liquid, Air / Vapor, Is this location a well?; No. Containers / Preservative; Requested Analyses.

Comments — Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker

Sampler's Company: O+M Enterprises Inc.

Shipment Method: Fed Ex Ship Date: 7/16/12

Shipment Tracking No: 898635808976

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Richard C Becker	7/16/12	1500			
			Bunny Kirby LLI	7-17-12	930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 6.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

6.1-7.9

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: BP

Date of Receipt: 7.17.12

Time of Receipt: 930

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody 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	2737	8.1	TB	WI	Y	B	7.9 6.9 6.8 6.9 6.1
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

Paperwork Discrepancy/Unpacking Problems:

no Ice on bottom of cooler TB on Top of Ice

Unpacker Signature/Emp#: 2299 **Date/Time:** 7-17-12 11:53

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 27, 2012

Project: BP Sanborn

Submittal Date: 07/18/2012
Group Number: 1322802
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
B-4 Water	6723837
P-4 Water	6723838
Field Dup#5 Water	6723839
B-6 Water	6723840
B-20 Water	6723841
B-52 Water	6723842
B-52 Matrix Spike Water	6723843
B-52 Matrix Spike Dup Water	6723844
B-53 Water	6723845
B-54 Water	6723846
B-50 Water	6723847
B-55 Water	6723848

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

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Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: B-4 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-4

LLI Sample # WW 6723837
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 13:45 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SANB4

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	41		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.6	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	4.9	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	7.9		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-4 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-4

LLI Sample # WW 6723837
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 13:45 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SANB4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 09:28	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 09:28	Linda C Pape	1

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

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Analysis Report

Sample Description: P-4 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY P-4

LLI Sample # WW 6723838
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 13:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SANP4

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	5.2	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	580	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	11	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	6.2	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	890	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

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

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Analysis Report

Sample Description: P-4 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY P-4

LLI Sample # WW 6723838
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 13:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SANP4

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 09:52	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 15:52	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 09:52	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122011AA	07/19/2012 15:52	Linda C Pape	10

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Analysis Report

Sample Description: Field Dup#5 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY Field Dup#5

LLI Sample # WW 6723839
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAND5

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	2.6	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	12		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: **Field Dup#5 Water**
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY Field Dup#5

LLI Sample # WW 6723839
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAND5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 16:15	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 16:15	Linda C Pape	1

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

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Analysis Report

Sample Description: B-6 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-6

LLI Sample # WW 6723840
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 11:30 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SANB6

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	16	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	200	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-6 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-6

LLI Sample # WW 6723840
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 11:30 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SANB6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 10:40	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 10:40	Linda C Pape	1

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

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Analysis Report

Sample Description: B-20 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-20

LLI Sample # WW 6723841
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 12:15 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB20

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-20 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-20

LLI Sample # WW 6723841
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 12:15 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 11:04	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 11:04	Linda C Pape	1

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

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Analysis Report

Sample Description: B-52 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6723842
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB52

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-52 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6723842
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB52

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 11:28	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 11:28	Linda C Pape	1

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Analysis Report

Sample Description: B-52 Matrix Spike Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6723843
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB52

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	
10903	Benzyl Chloride	100-44-7	19	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	23	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	28	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	24	0.80	5.0	1
10903	Chloromethane	74-87-3	21	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	21	1.0	5.0	1
10903	Dibromomethane	74-95-3	23	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	25	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	26	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	24	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	24	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	24	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	22	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	21	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	27	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	27	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	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 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-52 Matrix Spike Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6723843
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB52

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 11:52	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 11:52	Linda C Pape	1

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

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Analysis Report

Sample Description: B-52 Matrix Spike Dup Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6723844
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB52

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	
10903	Benzyl Chloride	100-44-7	19	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	23	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	28	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	24	0.80	5.0	1
10903	Chloromethane	74-87-3	21	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	21	1.0	5.0	1
10903	Dibromomethane	74-95-3	23	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	25	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	27	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	24	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	24	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	25	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	23	1.0	5.0	1
10903	Methylene Chloride	75-09-2	23	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	24	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	21	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	29	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	23	0.80	5.0	1
10903	Trichloroethene	79-01-6	25	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	26	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	22	1.0	5.0	1
10903	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 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-52 Matrix Spike Dup Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6723844
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB52

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 12:16	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 12:16	Linda C Pape	1

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Analysis Report

Sample Description: B-53 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-53

LLI Sample # WW 6723845
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 09:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB53

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.0	J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	12		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-53 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-53

LLI Sample # WW 6723845
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 09:40 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB53

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 12:40	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 12:40	Linda C Pape	1

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

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Analysis Report

Sample Description: B-54 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-54

LLI Sample # WW 6723846
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:50 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB54

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-54 Water
BP Sanborn COC: 208439
2040 Cory Drive - Sanborn, NY B-54

LLI Sample # WW 6723846
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 10:50 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB54

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 13:04	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 13:04	Linda C Pape	1

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

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Analysis Report

Sample Description: B-50 Water
BP Sanborn COC: 208441
2040 Cory Drive - Sanborn, NY B-50

LLI Sample # WW 6723847
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 13:10 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB50

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	13		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.1	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	58		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.		1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-50 Water
BP Sanborn COC: 208441
2040 Cory Drive - Sanborn, NY B-50

LLI Sample # WW 6723847
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 13:10 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB50

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 13:28	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 13:28	Linda C Pape	1

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

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Analysis Report

Sample Description: B-55 Water
BP Sanborn COC: 208441
2040 Cory Drive - Sanborn, NY B-55

LLI Sample # WW 6723848
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 11:00 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB55

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670
The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

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

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Analysis Report

Sample Description: B-55 Water
BP Sanborn COC: 208441
2040 Cory Drive - Sanborn, NY B-55

LLI Sample # WW 6723848
LLI Group # 1322802
Account # 12495

Project Name: BP Sanborn

Collected: 07/17/2012 11:00 by RCB

Submitted: 07/18/2012 09:20
Reported: 07/27/2012 14:38

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

SAB55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122011AA	07/19/2012 13:52	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122011AA	07/19/2012 13:52	Linda C Pape	1

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

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1322802
Reported: 07/27/12 at 02:38 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: T122011AA	Sample number(s): 6723837-6723848								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	93		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	103		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	87		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	119		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	102		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	88		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	95		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	105		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	90		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	97		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		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	72		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	110		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	124		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	104		80-120		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	105		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	106		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	112		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	100		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	103		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	101		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	127*		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	103		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	110		56-128		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	93		56-123		

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- 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: 1322802
Reported: 07/27/12 at 02:38 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: T122011AA	Sample number(s): 6723837-6723848 UNSPK: 6723842								
Benzyl Chloride	94	93	62-120	2	30				
Bromobenzene	105	106	82-115	1	30				
Bromodichloromethane	114	117	78-125	2	30				
Bromoform	89	89	48-118	0	30				
Bromomethane	97	96	38-149	2	30				
Carbon Tetrachloride	139*	140*	72-135	0	30				
Chlorobenzene	112	115	87-124	3	30				
Chloroethane	102	99	51-145	3	30				
2-Chloroethyl Vinyl Ether	97	98	10-151	1	30				
Chloroform	119	120	81-134	1	30				
Chloromethane	104	105	67-154	0	30				
Dibromochloromethane	105	106	74-116	1	30				
Dibromomethane	116	114	83-119	2	30				
1,2-Dichlorobenzene	107	106	84-119	1	30				
1,3-Dichlorobenzene	107	107	86-121	0	30				
1,4-Dichlorobenzene	106	107	85-121	0	30				
Dichlorodifluoromethane	87	85	52-129	2	30				
1,1-Dichloroethane	125	127	84-129	1	30				
1,2-Dichloroethane	132*	134*	68-131	1	30				
1,1-Dichloroethene	123	127	85-142	3	30				
cis-1,2-Dichloroethene	118	121	85-125	3	30				
trans-1,2-Dichloroethene	120	122	87-126	2	30				
1,2-Dichloropropane	118	120	83-124	2	30				
cis-1,3-Dichloropropene	119*	123*	70-116	3	30				
trans-1,3-Dichloropropene	111	113	74-119	2	30				
Methylene Chloride	111	114	78-133	3	30				
1,1,1,2-Tetrachloroethane	117	119	82-119	1	30				
1,1,2,2-Tetrachloroethane	103	104	72-128	1	30				
Tetrachloroethene	120	122	80-128	2	30				
1,1,1-Trichloroethane	136*	143*	74-131	5	30				
1,1,2-Trichloroethane	109	113	77-124	3	30				
Trichloroethene	122	125	88-133	2	30				
Trichlorofluoromethane	133	128	64-146	3	30				
1,2,3-Trichloropropane	106	110	76-118	4	30				
Vinyl Chloride	105	104	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: T122011AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6723837	104	104	98	103
6723838	107	105	100	104
6723839	108	101	102	103
6723840	105	102	100	102
6723841	107	101	101	105
6723842	106	103	101	105
6723843	107	102	101	106
6723844	106	103	102	106
6723845	105	102	98	102

*- 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1322802
Reported: 07/27/12 at 02:38 PM

Surrogate Quality Control

6723846	107	104	100	103
6723847	107	100	100	104
6723848	109	102	100	105
Blank	107	103	100	103
LCS	103	101	101	106
MS	107	102	101	106
MSD	106	103	102	106
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.

Project Name: BP Sanborn
LLI Group #: 1322802

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 6.1-11.8C.

Analysis Specific Comments:

SW-846 8260B, GC/MS Volatiles

Batch #: T122011AA (Sample number(s): 6723837-6723848 UNSPK: 6723842)

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

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: 1,1,1-Trichloroethane, Carbon Tetrachloride, 1,2-Dichloroethane, cis-1,3-Dichloropropene

Sample #s: 6723838

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

A12495 / 1322802 / 6723837-4 208439

bp rm

Laboratory Management Program LaMP Chain of Custody Record

Page 1 of 2

BP Site Node Path: BP, Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

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: NYSDEC	Address: 40 La Riviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Loker and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260
	B-4	7/17/12	1345		X		Y	3	X					X
	P-4	"	1340		X		Y	3	X					X
	Field Dup #5	"			X		Y	3	X					X
	B-6	"	1130		X		Y	3	X					X
	B-20	"	1215		X		Y	3	X					X
	B-52	"	1040		X		Y	3	X					X
	B-53	"	0940		X		N	3	X					X
	B-54	"	1050		X		Y	3	X					X
	B-52 MS	"	1040		X		Y	3	X					X
	B-52 MSD	"	1040		X		Y	3	X					X

Report Type & QC Level: Standard ___ Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

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	7/17/12	1415			
Shipment Method: Fed Ex Ship Date: 7/17/12						
Shipment Tracking No: 899863580910				[illegible] LLI	7-18-12	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 8.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

A12495 / 1322802 / 6723837-49

Laboratory Management Program LaMP Chain of Custody Record 208441

bp rm

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: NYSDEC	Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ____ OOC-BU ____ OOC-RM ____	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ____

BP Project Manager (PM): Bill Barber
BP PM Phone: (216) 271-8038
BP PM Email:

Report Type & QC Level: Standard ____ Full Data Package ____

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260										Comments
	B-50	7/17/12	1310		X		Y	3	X					X										
	B-55	7/17/12	1100		X		Y	3	X					X										

Comments Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker
Sampler's Company: O+M Enterprises Inc.
Shipment Method: Fed EX Ship Date: 7/17/12
Shipment Tracking No: 898635808910

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Richard C Becker O+M	7/17/12	1415			
			[signature], LLI	7/18/12	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (Yes circled) | Temp Blank: Yes / No (Yes circled) | Cooler Temp on Receipt: 5.4 °F/C 6.1 1.8. | Trip Blank: Yes / No (Yes circled) | MS/MSD Sample Submitted: Yes / No (Yes circled)

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: BP

Date of Receipt: 9.18.12

Time of Receipt: 920

Source Code: 50-1

Shipping Container Sealed: (YES) NO

Custody 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 ST 1396
1	2937	8.4	TB	WI	Y	B	6.9 6.1 8.8 11.8 9.9
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

Paperwork Discrepancy/Unpacking Problems:

TB on top of Ice.

Unpacker Signature/Emp#: Brandy Bunk 2299 **Date/Time:** 9.18.12 1339

Issued by Dept. 6042 Management

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 27, 2012

Project: BP Sanborn

Submittal Date: 07/19/2012
Group Number: 1323196
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
PW-1 Water	6726430
B-17 Water	6726431
B-44 Water	6726432
B-42 Water	6726433
B-43 Water	6726434
B-43 Matrix Spike Water	6726435
B-43 Matrix Spike Dup Water	6726436
B-13 Water	6726437
B-48 Water	6726438
Field Dup #6 Water	6726439
B-49 Water	6726440

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

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Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: PW-1 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY PW-1

LLI Sample # WW 6726430
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 08:10 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN01

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	58		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.92	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	210		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: **PW-1 Water**
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY PW-1

LLI Sample # WW 6726430
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 08:10 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN01

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 10:01	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 10:01	Linda C Pape	1

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Analysis Report

Sample Description: B-17 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-17

LLI Sample # WW 6726431
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 08:25 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN17

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	
10903	Benzyl Chloride	100-44-7	N.D.	10	50	10
10903	Bromobenzene	108-86-1	N.D.	10	50	10
10903	Bromodichloromethane	75-27-4	N.D.	10	50	10
10903	Bromoform	75-25-2	N.D.	10	50	10
10903	Bromomethane	74-83-9	N.D.	10	50	10
10903	Carbon Tetrachloride	56-23-5	N.D.	10	50	10
10903	Chlorobenzene	108-90-7	N.D.	8.0	50	10
10903	Chloroethane	75-00-3	N.D.	10	50	10
10903	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.					
10903	Chloroform	67-66-3	N.D.	8.0	50	10
10903	Chloromethane	74-87-3	N.D.	10	50	10
10903	Dibromochloromethane	124-48-1	N.D.	10	50	10
10903	Dibromomethane	74-95-3	N.D.	10	50	10
10903	1,2-Dichlorobenzene	95-50-1	N.D.	10	50	10
10903	1,3-Dichlorobenzene	541-73-1	N.D.	10	50	10
10903	1,4-Dichlorobenzene	106-46-7	N.D.	10	50	10
10903	Dichlorodifluoromethane	75-71-8	N.D.	20	50	10
10903	1,1-Dichloroethane	75-34-3	170	10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.	10	50	10
10903	1,1-Dichloroethene	75-35-4	67	8.0	50	10
10903	cis-1,2-Dichloroethene	156-59-2	15,000	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	69	8.0	50	10
10903	1,2-Dichloropropane	78-87-5	N.D.	10	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	10	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	10	50	10
10903	Methylene Chloride	75-09-2	N.D.	20	50	10
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10	50	10
10903	Tetrachloroethene	127-18-4	N.D.	8.0	50	10
10903	1,1,1-Trichloroethane	71-55-6	20 J	8.0	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.	8.0	50	10
10903	Trichloroethene	79-01-6	6,300	100	500	100
10903	Trichlorofluoromethane	75-69-4	N.D.	20	50	10
10903	1,2,3-Trichloropropane	96-18-4	N.D.	10	50	10
10903	Vinyl Chloride	75-01-4	2,200	10	50	10

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

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-17 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-17

LLI Sample # WW 6726431
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 08:25 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 14:25	Linda C Pape	10
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 14:49	Linda C Pape	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 14:25	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122021AA	07/20/2012 14:49	Linda C Pape	100

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Analysis Report

Sample Description: B-44 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-44

LLI Sample # WW 6726432
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 09:45 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN44

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	8.7		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	6.5		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	3.2	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	3.7	J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-44 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-44

LLI Sample # WW 6726432
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 09:45 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN44

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 10:25	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 10:25	Linda C Pape	1

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Analysis Report

Sample Description: B-42 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6726433
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 10:45 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN42

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	8.3		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.90	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	3.1	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-42 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6726433
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 10:45 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN42

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 10:49	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 10:49	Linda C Pape	1

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Analysis Report

Sample Description: B-43 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6726434
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN43

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	11		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	3.0	J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	4.3	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.

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Analysis Report

Sample Description: B-43 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6726434
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN43

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 11:13	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 11:13	Linda C Pape	1

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

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Analysis Report

Sample Description: B-43 Matrix Spike Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6726435
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN43

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	
10903	Benzyl Chloride	100-44-7	18	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	20	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	27	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	21	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	24	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	26	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	34	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	23	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	23	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	27	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	26	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	26	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	26	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

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Analysis Report

Sample Description: B-43 Matrix Spike Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6726435
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN43

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 11:37	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 11:37	Linda C Pape	1

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

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Analysis Report

Sample Description: B-43 Matrix Spike Dup Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6726436
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN43

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	
10903	Benzyl Chloride	100-44-7	18	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	26	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	24	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	25	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	34	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	23	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	23	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	26	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	27	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	26	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-43 Matrix Spike Dup Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6726436
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN43

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 12:01	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 12:01	Linda C Pape	1

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

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Analysis Report

Sample Description: B-13 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-13

LLI Sample # WW 6726437
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:35 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN13

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	7.3		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	4.3	J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	630		8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	14		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	0.96	J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	260		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	27		1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: B-13 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-13

LLI Sample # WW 6726437
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 11:35 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN13

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 15:13	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 15:37	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 15:13	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122021AA	07/20/2012 15:37	Linda C Pape	10

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Analysis Report

Sample Description: B-48 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6726438
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 13:25 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN48

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-48 Water
BP Sanborn COC: 208442
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6726438
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 13:25 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN48

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 12:25	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 12:25	Linda C Pape	1

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

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Analysis Report

Sample Description: Field Dup #6 Water
BP Sanborn COC: 208440
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6726439
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBNF6

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	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	7.3		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	4.4	J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	620		8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	14		0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	0.95	J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	260		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	27		1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

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Analysis Report

Sample Description: **Field Dup #6 Water**
BP Sanborn COC: 208440
2040 Cory Drive - Sanborn, NY Field Dup

LLI Sample # WW 6726439
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBNF6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 12:49	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122022AA	07/20/2012 23:38	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 12:49	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T122022AA	07/20/2012 23:38	Sarah A Guill	10

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

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Analysis Report

Sample Description: B-49 Water
BP Sanborn COC: 208440
2040 Cory Drive - Sanborn, NY B-49

LLI Sample # WW 6726440
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 13:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN49

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-49 Water
BP Sanborn COC: 208440
2040 Cory Drive - Sanborn, NY B-49

LLI Sample # WW 6726440
LLI Group # 1323196
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2012 13:00 by RB

Submitted: 07/19/2012 09:25
Reported: 07/27/2012 17:51

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

SBN49

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T122021AA	07/20/2012 13:13	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T122021AA	07/20/2012 13:13	Linda C Pape	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1323196
Reported: 07/27/12 at 05:51 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: T122021AA	Sample number(s): 6726430-6726440								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	91		60-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	106		73-120		
Bromoform	N.D.	1.0	5.0	ug/l	85		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	93		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	124*		67-122		
Chlorobenzene	N.D.	0.80	5.0	ug/l	106		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	94		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	90		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	109		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	95		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	100		72-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	107		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	97		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	74		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	113		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	127		64-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	107		80-120		
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	106		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	107		80-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	109		78-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	103		80-126		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106		79-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		75-123		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	103		79-120		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	122*		70-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	107		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	113		56-128		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		76-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	98		56-123		
Batch number: T122022AA	Sample number(s): 6726439								
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	105	107	80-120	2	30

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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1323196
Reported: 07/27/12 at 05:51 PM
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: T122021AA	Sample number(s): 6726430-6726440 UNSPK: 6726434								
Benzyl Chloride	90	88	62-120	3	30				
Bromobenzene	100	103	82-115	4	30				
Bromodichloromethane	112	112	78-125	0	30				
Bromoform	89	86	48-118	3	30				
Bromomethane	98	97	38-149	1	30				
Carbon Tetrachloride	133	132	72-135	1	30				
Chlorobenzene	110	111	87-124	1	30				
Chloroethane	104	102	51-145	1	30				
2-Chloroethyl Vinyl Ether	87	86	10-151	1	30				
Chloroform	114	115	81-134	0	30				
Chloromethane	101	101	67-154	0	30				
Dibromochloromethane	102	101	74-116	1	30				
Dibromomethane	110	108	83-119	2	30				
1,2-Dichlorobenzene	104	104	84-119	1	30				
1,3-Dichlorobenzene	104	105	86-121	1	30				
1,4-Dichlorobenzene	103	105	85-121	2	30				
Dichlorodifluoromethane	86	84	52-129	2	30				
1,1-Dichloroethane	121	122	84-129	1	30				
1,2-Dichloroethane	132*	126	68-131	5	30				
1,1-Dichloroethene	120	120	85-142	0	30				
cis-1,2-Dichloroethene	116	117	85-125	0	30				
trans-1,2-Dichloroethene	116	118	87-126	1	30				
1,2-Dichloropropane	114	113	83-124	1	30				
cis-1,3-Dichloropropene	114	113	70-116	1	30				
trans-1,3-Dichloropropene	108	109	74-119	1	30				
Methylene Chloride	107	106	78-133	1	30				
1,1,1,2-Tetrachloroethane	113	112	82-119	1	30				
1,1,2,2-Tetrachloroethane	100	100	72-128	0	30				
Tetrachloroethene	113	114	80-128	1	30				
1,1,1-Trichloroethane	136*	130	74-131	4	30				
1,1,2-Trichloroethane	108	110	77-124	2	30				
Trichloroethene	116	118	88-133	2	30				
Trichlorofluoromethane	132	130	64-146	2	30				
1,2,3-Trichloropropane	106	103	76-118	3	30				
Vinyl Chloride	108	105	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: T122021AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6726430	106	105	100	101
6726431	108	101	100	102
6726432	109	102	100	102
6726433	111	105	101	101
6726434	109	102	101	104

*- 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1323196
Reported: 07/27/12 at 05:51 PM

Surrogate Quality Control

6726435	107	105	103	107
6726436	105	99	102	106
6726437	109	103	99	105
6726438	106	102	99	102
6726439	108	102	102	105
6726440	109	104	101	104
Blank	107	102	102	103
LCS	106	102	104	106
MS	107	105	103	107
MSD	105	99	102	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (water)
Batch number: T122022AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	100	101	100	100
LCS	100	99	99	101
LCSD	101	102	99	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.

Case Narrative

Project Name: BP Sanborn
LLI Group #: 1323196

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 #: T122021AA (Sample number(s): 6726430-6726440 UNSPK: 6726434)

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

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

Sample #s: 6726431, 6726437, 6726439

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

12495 | 1323196 | 6726430-41

bp rm Laboratory Management Program LaMP Chain of Custody Record 208442

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 Newholland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Welser and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (716) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260
	PW-1	7/18/12	0810		X		Y	3	X					X
	B-17	7/18/12	0825		X		Y	3	X					X
	B-44	7/18/12	0945		X		Y	3	X					X
	B-42	7/18/12	1045		X		Y	3	X					X
	B-43	7/18/12	1100		X		Y	3	X					X
	B-43 MS	7/18/12	1100		X		Y	3	X					X
	B-43 MSD	7/18/12	1100		X		Y	3	X					X
	B-13	7/18/12	1135		X		Y	3	X					X
	B-48	7/18/12	1325		X		Y	3	X					X

Report Type & QC Level: Standard ___ Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

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	7/18/12	1430			
Shipment Method: Fed Ex Ship Date: 7/18/12						
Shipment Tracking No: 798635808921					7/19/12	0920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 5.8 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

12495/1323196/6726430-41

bp rm Laboratory Management Program LaMP Chain of Custody Record

208440

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: 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: NYSDEC	Address: 40 LaRiviere Dr Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Welker and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260
	Field Dup #6	7/18/12			X		Y	3	X					X
	B-49	7/18/12	1300		X		Y	3	X					X

Report Type & QC Level: Standard ___ Full Data Package ___

Comments

Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Arm Enterprises Inc.	Richard C Becker Arm	7/18/12	1430			
Shipment Method: Fed Ex Ship Date:						
Shipment Tracking No: 898635408921				[signature]	7/19/12	0920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 5.8 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 7/19/12

Time of Receipt: 50

Source Code: 0925

Shipping Container Sealed: (YES) NO

Custody 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	9422	5.8°c	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2 total 1 sacrificed for temp Blank

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 1209 **Date/Time:** 7/19/12 1620

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

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

July 26, 2012

Project: BP Sanborn

Submittal Date: 07/20/2012
Group Number: 1323544
PO Number: D00B4-0002
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LLI) #
B-38 Water	6728256
B-21 Water	6728257
B-22 Water	6728258
B-28 Water	6728259
P-2 Water	6728260
PW-4 Water	6728261

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

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Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

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Analysis Report

Sample Description: B-38 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-38

LLI Sample # WW 6728256
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 08:48 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-38

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l		ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
10903	Bromoform	75-25-2	N.D.		1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.		1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.		1.0	5.0	1
10903	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.						
10903	Chloroform	67-66-3	N.D.		0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.		1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	45		0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.83	J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
10903	Trichloroethene	79-01-6	39		1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
10903	Vinyl Chloride	75-01-4	1.1	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

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Analysis Report

Sample Description: B-38 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-38

LLI Sample # WW 6728256
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 08:48 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-38

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 03:45	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122061AA	07/24/2012 03:45	Stephanie A Selis	1

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

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Analysis Report

Sample Description: B-21 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-21

LLI Sample # WW 6728257
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 09:25 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-21 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-21

LLI Sample # WW 6728257
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 09:25 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 04:08	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122061AA	07/24/2012 04:08	Stephanie A Selis	1

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

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Analysis Report

Sample Description: B-22 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-22

LLI Sample # WW 6728258
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 10:15 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	42	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	9.8	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-22 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-22

LLI Sample # WW 6728258
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 10:15 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-22

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 04:32	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122061AA	07/24/2012 04:32	Stephanie A Selis	1

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

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Analysis Report

Sample Description: B-28 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-28

LLI Sample # WW 6728259
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 10:50 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: B-28 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY B-28

LLI Sample # WW 6728259
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 10:50 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-B-28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 04:55	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122061AA	07/24/2012 04:55	Stephanie A Selis	1

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

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Analysis Report

Sample Description: P-2 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY P-2

LLI Sample # WW 6728260
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 11:15 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-P-2-

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	
10903	Benzyl Chloride	100-44-7	N.D.		5.0	25	5
10903	Bromobenzene	108-86-1	N.D.		5.0	25	5
10903	Bromodichloromethane	75-27-4	N.D.		5.0	25	5
10903	Bromoform	75-25-2	N.D.		5.0	25	5
10903	Bromomethane	74-83-9	N.D.		5.0	25	5
10903	Carbon Tetrachloride	56-23-5	N.D.		5.0	25	5
10903	Chlorobenzene	108-90-7	N.D.		4.0	25	5
10903	Chloroethane	75-00-3	N.D.		5.0	25	5
10903	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.						
10903	Chloroform	67-66-3	N.D.		4.0	25	5
10903	Chloromethane	74-87-3	N.D.		5.0	25	5
10903	Dibromochloromethane	124-48-1	N.D.		5.0	25	5
10903	Dibromomethane	74-95-3	N.D.		5.0	25	5
10903	1,2-Dichlorobenzene	95-50-1	N.D.		5.0	25	5
10903	1,3-Dichlorobenzene	541-73-1	N.D.		5.0	25	5
10903	1,4-Dichlorobenzene	106-46-7	N.D.		5.0	25	5
10903	Dichlorodifluoromethane	75-71-8	N.D.		10	25	5
10903	1,1-Dichloroethane	75-34-3	150		5.0	25	5
10903	1,2-Dichloroethane	107-06-2	N.D.		5.0	25	5
10903	1,1-Dichloroethene	75-35-4	26		4.0	25	5
10903	cis-1,2-Dichloroethene	156-59-2	1,700		40	250	50
10903	trans-1,2-Dichloroethene	156-60-5	10	J	4.0	25	5
10903	1,2-Dichloropropane	78-87-5	N.D.		5.0	25	5
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.		5.0	25	5
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.		5.0	25	5
10903	Methylene Chloride	75-09-2	N.D.		10	25	5
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		5.0	25	5
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		5.0	25	5
10903	Tetrachloroethene	127-18-4	N.D.		4.0	25	5
10903	1,1,1-Trichloroethane	71-55-6	970		4.0	25	5
10903	1,1,2-Trichloroethane	79-00-5	N.D.		4.0	25	5
10903	Trichloroethene	79-01-6	7,800		50	250	50
10903	Trichlorofluoromethane	75-69-4	N.D.		10	25	5
10903	1,2,3-Trichloropropane	96-18-4	N.D.		5.0	25	5
10903	Vinyl Chloride	75-01-4	48		5.0	25	5

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

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Analysis Report

Sample Description: P-2 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY P-2

LLI Sample # WW 6728260
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 11:15 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-P-2-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 05:19	Stephanie A Selis	5
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 05:42	Stephanie A Selis	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122061AA	07/24/2012 05:19	Stephanie A Selis	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N122061AA	07/24/2012 05:42	Stephanie A Selis	50

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

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Analysis Report

Sample Description: PW-4 Water
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY PW-4

LLI Sample # WW 6728261
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 11:25 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-PW-4

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	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	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.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	260	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	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

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Analysis Report

Sample Description: **PW-4 Water**
BP Sanborn COC: 187935
2040 Cory Drive - Sanborn, NY PW-4

LLI Sample # WW 6728261
LLI Group # 1323544
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2012 11:25 by RCB

Submitted: 07/20/2012 09:25
Reported: 07/26/2012 16:32

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

-PW-4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N122061AA	07/24/2012 06:06	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N122061AA	07/24/2012 06:06	Stephanie A Selis	1

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

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1323544
Reported: 07/26/12 at 04:32 PM

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

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: N122061AA	Sample number(s): 6728256-6728261								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	84	83	60-120	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	98	98	80-120	1	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	110	108	73-120	2	30
Bromoform	N.D.	1.0	5.0	ug/l	92	93	61-120	0	30
Bromomethane	N.D.	1.0	5.0	ug/l	65	64	44-120	1	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	107	106	67-122	2	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	103	102	80-120	1	30
Chloroethane	N.D.	1.0	5.0	ug/l	70	70	49-129	0	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	96	96	56-129	0	30
Chloroform	N.D.	0.80	5.0	ug/l	102	101	77-122	1	30
Chloromethane	N.D.	1.0	5.0	ug/l	65	63	60-129	2	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	108	107	72-120	1	30
Dibromomethane	N.D.	1.0	5.0	ug/l	109	106	80-120	2	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93	95	80-120	1	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98	97	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93	93	80-120	0	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	64	62	47-120	4	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	108	106	79-120	2	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	113	111	64-130	2	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	105	104	80-120	1	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	107	105	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104	104	80-120	1	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	106	105	80-120	0	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	118	117	78-120	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106	105	79-120	1	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	97	97	80-126	1	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101	100	79-120	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98	99	75-123	1	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	107	105	79-120	2	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	88	85	70-121	3	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	106	105	80-120	0	30
Trichloroethene	N.D.	1.0	5.0	ug/l	108	108	80-120	0	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	92	91	56-128	1	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	100	101	76-120	1	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	71	70	56-123	2	30

Surrogate 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.

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1323544
Reported: 07/26/12 at 04:32 PM

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: N122061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6728256	104	102	94	97
6728257	104	101	93	95
6728258	104	99	93	95
6728259	105	102	93	95
6728260	104	101	94	97
6728261	105	102	93	95
Blank	104	102	93	96
LCS	102	102	99	104
LCSD	101	101	101	104
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.

Project Name: BP Sanborn
LLI Group #: 1323544

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:

No additional comments are necessary.

A12495/1323528 44 /6728+90-95256-62 @ 7/20/12

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

187935

Page 1 of 1

BP/ARC Project Name: BP Sanborn
BP/ARC Facility No:
Req Due Date (mm/dd/yy):
Rush TAT: Yes ___ No ___
Lab Work Order Number:

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: Activity:	Invoice To: BP/ARC ✓ Contractor ___

BP/ARC EBM: Bill Barber
EBM Phone: (216) 271-8038
EBM Email:

Report Type & QC Level: Standard ___ Full Data Package ___

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	From Wells	Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	8260	Comments
	B-38	7/19/12	0848		X		Y	3	X					X	
	B-21	|	0925		X		Y	3	X					X	
	B-22	|	1015		X		Y	3	X					X	
	B-28	|	1050		X		Y	3	X					X	
	EP-2	|	1115		X		Y	3	X					X	
	PW-4	|	1125		X		Y	3	X					X	

Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.

Sampler's Name: Richard C Becken
Sampler's Company: O+M Enterprises Inc.
Shipment Method: Fed Ex Ship Date: 7/19/12
Shipment Tracking No: 898635808965

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Richard C Becken	7/19/12	1530			
			[signature]	7/20/12	0925

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 3.9 °F/(C) | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

Laboratory Copy

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Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 7/20/12

Time of Receipt: 0925

Source Code: SO-1

Shipping Container Sealed: (YES) NO

Custody 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	429951	3.9	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: KCr 2241 **Date/Time:** 7/20/12 1530

Issued by Dept. 6042 Management

2174.06

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Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis 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 ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

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

APPENDIX C

WATER QUALITY DATABASE
JANUARY 2001 THROUGH SEPTEMBER 2012

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663812	8021	ND	ND	0.34 J	ND	ND	1.6	50	ND	4.1	ND	2	58.04
07/12/2002	A2713901	8021	ND	ND	2.4	ND	2.2 J	13	360	ND	36	1.8	18	433.4
07/08/2003	A3649103	8021	ND	ND	ND	ND	7.4	8.5	490	ND	14	ND	5	524.9
07/06/2004	A4636508	8021	ND	ND	2.6	4.4	ND	7.3	190	ND	29	ND	18	251.3
07/14/2005	A5740501	8260/5ML	ND	ND	ND	ND	ND	3.8	75	ND	6.7	ND	7.7	93.2
07/14/2006	6G14010-08	8260	ND	ND	ND	ND	ND	2	41	ND	3	ND	4	50
07/09/2007	7G10002-01	8260	ND	ND	ND	ND	ND	ND	33	ND	2	ND	11	46
07/23/2008	5423254	8260	ND	ND	1.1 J	1 J	ND	4.3 J	190	ND	19	ND	14	229.4
07/08/2009	5719621	8260	ND	ND	1.4 J	1.4 J	ND	4.5 J	240	ND	16	ND	56	319.3
07/12/2010	6030552	8260	ND	ND	ND	1 J	ND	4.5 J	170	ND	18	ND	24	217.5
07/12/2011	6342650	8260	ND	ND	2.6 J	1.4 J	ND	4.1 J	200	1.1 J	54	ND	25	288.2
07/16/2012	6722028	SW8260	ND	ND	1.6 J	ND	ND	3.1 J	200	ND	26	ND	21	251.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 4M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	1.6 J	41	ND	4.9 J	ND	7.9	55.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	1.3 J	33	ND	260	ND	1.8 J	296.1

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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-ethylene (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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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	16	ND	200	ND	ND	216

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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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	3.8 J	ND	ND	4.9

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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- 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-ethylene (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

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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-ethylene (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	SW8260	ND	ND	ND	32	ND	36	5500	ND	56000	11	340	61919

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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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	5.4	3.2 J	32	ND	ND	40.6

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	1.4 J	27	ND	270	15	ND	313.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-12M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	29	7.8	ND	8.6	280	35	1700	ND	ND	2060.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	7.3	4.3 J	ND	14	630	0.96 J	260	ND	27	943.56

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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

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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-15M

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	8260	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
07/20/2005	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	SW8260	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-16M

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	1.2

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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-ethylene (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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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-ethylene (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	SW8260	ND	ND	170	67	ND	69	15000	20 J	6300	ND	2200	23826

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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND	4.0 J	11

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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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-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-ethylene (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:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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

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1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-20M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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	SW8260	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-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/23/2001	A1375208	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695511	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2003	A3356602	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670607	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2003	A3998706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/2004	A4402302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2004	A4A27801	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
01/14/2005	A5038301	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
04/22/2005	A5402104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2005	A5790301	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92301	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/11/2007	7A12004-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-02	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/07/2008	8D08002-02	8260	ND	ND	ND	ND	10 B	ND	ND	ND	ND	ND	ND	10
07/21/2008	5420899	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499966	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576506	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651170	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722289	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799017	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893229	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948416	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033914	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-21M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	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-ethylene (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	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
07/15/2004	A4674303	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
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

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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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	42	ND	9.8	ND	ND	51.8

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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-ethylene (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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	1.1 J	ND	ND	0.91 J	240	ND	4.8 J	ND	25	271.81

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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-ethylene (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

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-25M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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-ethylene (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.
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-ethylene (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	SW8260	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-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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	15	ND	1.9 J	ND	1.7 J	18.6

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-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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	3.3

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (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	8021	ND	ND	ND	ND	ND	ND	39 E	ND	ND	ND	2.5 E	41.5
07/20/2004	A4682903	8260	ND	ND	ND	ND	2.2 J	0.76 J	31	ND	0.83 J	ND	ND	34.79
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	SW8260	ND	ND	ND	ND	ND	1.0 J	23	ND	1.5 J	ND	9.8	35.3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	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-ethylene (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-ethylene (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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-37M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/19/2001	A1056801	8021	ND	ND	ND	ND	ND	ND	45	ND	0.4 J	ND	ND	45.4
04/24/2001	A1375202	8021	ND	ND	ND	ND	ND	ND	48	ND	2.5	ND	ND	50.5
07/18/2001	A1682907	8021	ND	ND	ND	ND	ND	0.26 J	44	ND	1.8	ND	ND	46.06
10/19/2001	A1A28801	8021	ND	ND	ND	ND	ND	ND	43	ND	4.9	ND	1.1 J	49
01/21/2002	A2066004	8021	ND	ND	ND	ND	ND	0.51 J	48	ND	3.2	ND	ND	51.71
04/16/2002	A2370103	8021	ND	ND	0.49 J	0.26 J	ND	0.96 J	81 D	ND	3.7	ND	3.4	89.81
07/11/2002	A2708313	8021	ND	ND	0.42 J	ND	ND	1.1	84	ND	5.1	ND	ND	90.62
10/08/2002	A2999309	8021	ND	1.6	ND	ND	ND	ND	52	ND	4.8	ND	ND	58.4
10/15/2002	A2A23604	8021	ND	ND	ND	ND	ND	ND	41	ND	4.6	ND	ND	45.6
01/16/2003	A3055801	8021	ND	ND	ND	ND	ND	0.54 J	80	ND	7.8	ND	1.4 J	89.74
04/08/2003	A3329506	8021	ND	ND	ND	ND	3.4	ND	51	ND	3.9	ND	1.1 J	59.4
07/08/2003	A3649102	8021	ND	ND	ND	ND	2 J	ND	71	ND	2.8	ND	ND	75.8
10/13/2003	A3991401	8021	ND	ND	ND	ND	ND	ND	94	ND	6.1	ND	ND	100.1
01/09/2004	A4026202	8021	ND	ND	ND	ND	ND	ND	100	ND	8	ND	ND	108
04/13/2004	A4331805	8021	ND	ND	ND	ND	ND	1.1	88	ND	12	ND	ND	101.1
07/06/2004	A4636505	8021	ND	ND	1.6	1.9	ND	1.9	110	ND	23	ND	2	140.4
10/26/2004	A4A60201	8021	ND	ND	1.2	0.57 J	ND	1.3	140 E	ND	21	ND	0.85 J	164.92
01/20/2005	A5057701	8260	ND	ND	0.82 J	ND	1.1 J	0.91 J	74	ND	19	ND	ND	95.83
04/05/2005	A5317801	8260	ND	ND	1	0.63 J	ND	1.6	90 E	ND	31	ND	1.8	126.03
04/05/2005	A5317801DL	8260	ND	ND	ND	ND	2.8 D	ND	73 D	ND	24 D	ND	ND	99.8
07/11/2005	A5724702	8260/5ML	ND	ND	0.81 J	0.71 J	ND	1.3	73	ND	24	ND	ND	99.82
10/21/2005	A5B92601	8260	ND	ND	0.84 J	0.74 J	ND	1	78	ND	27	ND	1.8	109.38
01/24/2006	A6089104	8260	ND	ND	1.2	0.72 J	ND	1.3	81	ND	25	ND	2	111.22
04/13/2006	6D14002-05	8260	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57
01/09/2008	8A10002-04	8260	ND	ND	ND	ND	ND	ND	63	ND	29	ND	3	95
04/08/2008	8D09003-01	8260	ND	ND	ND	ND	2 B	ND	39	ND	12	ND	ND	53
07/25/2008	5426024	8260	ND	ND	ND	ND	ND	0.88 J	48	ND	21	ND	ND	69.88
10/14/2008	5498683	8260	ND	ND	ND	ND	ND	ND	46	ND	25	ND	ND	71
01/21/2009	5582432	8260	ND	ND	ND	ND	ND	ND	54	ND	19	ND	1.4 J	74.4
04/20/2009	5651169	8260	ND	ND	ND	ND	ND	1 J	64	ND	23	ND	2 J	90
07/13/2009	5722288	8260	ND	ND	ND	ND	ND	ND	50	ND	20	ND	ND	70

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-38M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	0.83 J	45	ND	39	ND	1.1 J	85.93

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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:

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-ethylene (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

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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	7.3	ND	ND	10.1

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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035107	8021	ND	ND	ND	ND	ND	1.1	5.6	ND	ND	ND	1.5 J	8.2
04/19/2001	A1361306	624	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	0.97
07/10/2001	A1648710	8021	ND	ND	ND	ND	ND	0.26 J	3.2	ND	ND	ND	0.28 J	3.74
10/18/2001	A1A23311	8021	ND	ND	ND	ND	ND	ND	3.3	ND	41	ND	ND	44.3
01/22/2002	A2066012RE	8021	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	1.4 J	6.5
04/12/2002	A2351801	8021	ND	ND	ND	ND	ND	0.6 J	6	ND	ND	ND	0.87 J	7.47
07/12/2002	A2713907	8021	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
10/08/2002	A2999308	8021	ND	ND	ND	ND	ND	0.7 J	6.9	ND	0.58 J	ND	1 J	9.18
01/20/2003	A3060804	8021	ND	ND	ND	ND	ND	0.43 J	4.5	ND	0.29 J	ND	0.75 J	5.97
04/25/2003	A3389401	8021	ND	ND	ND	ND	ND	0.48 J	4.4	ND	ND	ND	0.58 J	5.46
07/17/2003	A3683703	8021	ND	ND	ND	ND	ND	0.38 J	3.8	ND	ND	ND	0.22 J	4.4
10/17/2003	A3A09004	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/20/2004	A4053202	8021	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	3.1
04/29/2004	A4402401	8021	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
07/16/2004	A4674201	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
07/16/2004	A4674201	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
10/12/2004	A4A09702	8021	ND	ND	ND	ND	ND	0.53 J	6.1	ND	ND	ND	ND	6.63
01/12/2005	A5036203	8260	ND	ND	ND	ND	ND	0.62 J	4.8	ND	0.38 J	ND	ND	5.8
04/26/2005	A5414301	8260	ND	ND	ND	ND	ND	0.6 J	4.3	ND	0.3 J	ND	ND	5.2
07/26/2005	A5791602	8260/5ML	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
10/21/2005	A5B92602	8260	ND	ND	ND	ND	ND	0.73 J	4.8	ND	0.91 J	ND	ND	6.44
01/27/2006	A6102501	8260	ND	ND	ND	ND	ND	0.64 J	5.4	ND	1.6	ND	ND	7.64
04/20/2006	6D21003-04	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
07/18/2006	6G19003-04	8260	ND	ND	ND	ND	5 B	ND	4	ND	1	ND	ND	10
10/11/2006	6J12003-05	8260	ND	ND	ND	ND	ND	ND	5	ND	2	ND	ND	7
01/05/2007	7A05012-04	8260	ND	ND	ND	ND	3 B	ND	6	ND	3	ND	ND	12
04/17/2007	7D18003-02	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
07/16/2007	7G17015-10	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
10/15/2007	7J16003-02	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
01/09/2008	8A10002-06	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
04/15/2008	8D16011-03	8260	ND	ND	ND	ND	4 B	ND	4	ND	3	ND	ND	11
07/23/2008	5423261	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.6 J	ND	ND	4.7
10/16/2008	5501558	8260	ND	ND	ND	ND	ND	ND	6.1	ND	3.2 J	ND	ND	9.3
01/21/2009	5582426	8260	ND	ND	ND	ND	ND	ND	5.9	ND	2.9 J	ND	ND	8.8
04/16/2009	5649167	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.5 J	ND	ND	6.4
07/07/2009	5718466	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	1.7 J	ND	ND	4.4
10/07/2009	5800392	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.6 J	ND	ND	4.4

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	2.1 J	ND	ND	4.7

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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-ethylene (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	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	5.8

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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-ethylene (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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	0.90 J	8.3	ND	3.1 J	ND	ND	12.3

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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-ethylene (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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	11	ND	3.0 J	ND	4.3 J	18.3

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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-ethylene (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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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	8.7	ND	ND	ND	6.5	ND	3.2 J	ND	3.7 J	22.1

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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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	46	ND	10	ND	3.3 J	59.3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041306	8021	ND	ND	ND	ND	ND	5.8	77	ND	31	ND	18	131.8
04/25/2001	A1382104	8021	ND	ND	ND	ND	ND	ND	10	ND	37	ND	ND	47
07/11/2001	A1648712	8021	ND	0.84 J	ND	ND	1.2 J	2.6	90	ND	9.6	ND	25	129.24
10/17/2001	A1A23302	8021	ND	ND	ND	ND	3.1	ND	13	ND	170	ND	ND	186.1
01/24/2002	A2076709	8021	ND	ND	ND	ND	ND	0.63 J	9.7	ND	15	ND	ND	25.33
04/15/2002	A2370204	8021	ND	ND	ND	ND	ND	0.46 J	7.8	ND	22	ND	ND	30.26
07/16/2002	A2722917	8021	ND	ND	ND	ND	ND	0.53 J	8.2	ND	25	ND	ND	33.73
10/09/2002	A2A07505	8021	ND	ND	ND	ND	ND	ND	8.2	ND	17	ND	ND	25.2
01/23/2003	A3075203	8021	ND	ND	ND	ND	ND	ND	7.9	ND	15	ND	ND	22.9
04/28/2003	A3399701	8021	ND	ND	ND	ND	ND	1	16	ND	20	ND	0.55 J	37.55
07/18/2003	A3689002	8021	ND	ND	ND	ND	ND	0.67 J	12	ND	13	ND	ND	25.67
10/22/2003	A3A28304	8021	ND	ND	ND	ND	ND	ND	10	ND	13	ND	ND	23
01/22/2004	A4057103	8021	ND	ND	ND	ND	ND	ND	3	ND	6.5	ND	ND	9.5
04/27/2004	A4387502	8021	ND	ND	ND	ND	ND	ND	3.2	ND	8.5	ND	ND	11.7
07/13/2004	A4663802	8021	ND	ND	ND	ND	ND	ND	2.6	ND	6.7	ND	ND	9.3
10/13/2004	A4A09401	8021	ND	ND	ND	ND	ND	ND	4.1	ND	6.6	ND	ND	10.7
01/12/2005	A5036102	8260	ND	ND	ND	ND	ND	ND	1.4	ND	5	ND	ND	6.4
04/21/2005	A5402002	8260	ND	ND	ND	ND	ND	ND	1	ND	4.6	ND	ND	5.6
07/21/2005	A5768402	8260/5ML	ND	ND	ND	ND	ND	ND	1.6	ND	5.6	ND	ND	7.2
10/20/2005	A5B92002	8260	ND	ND	ND	ND	ND	ND	2.3	ND	6.1	ND	ND	8.4
01/24/2006	A6089114	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	2.2	ND	ND	2.99
04/18/2006	6D19002-01	8260	ND	ND	ND	ND	2	ND	ND	ND	3	ND	ND	5
07/21/2006	6G21018-01	8260	ND	ND	ND	ND	ND	ND	2	ND	4	ND	ND	6
10/12/2006	6J16007-03RE1	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
01/05/2007	7A05012-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
04/11/2007	7D12002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/12/2007	7G13019-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
10/11/2007	7J12012-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/24/2008	5424628	8260	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.9 J	ND	ND	3.85
10/15/2008	5499971	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	2.9 J	ND	ND	4.3
01/14/2009	5577591	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	2.7 J	ND	ND	4
04/14/2009	5646767	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/09/2009	5720681	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	2.4 J	ND	ND	3.5
10/05/2009	5797960	8260	ND	ND	ND	ND	ND	ND	0.91 J	ND	2.3 J	ND	ND	3.21
01/21/2010	5889955	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-48M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (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

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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-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-ethylene (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	SW8260	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-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-ethylene (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	SW8260	ND	ND	ND	ND	ND	1.1 J	13	ND	58	ND	ND	72.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-51M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-53M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	3.0 J	ND	12	ND	ND	15

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-54M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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	SW8260	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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052409	8021	ND	1	0.48 J	ND	0.56 J	2.7	71	ND	28	ND	2.4	106.14
04/16/2001	A1345803	624	ND	ND	ND	ND	ND	ND	18	ND	27	ND	ND	45
07/16/2001	A1674111	8021	ND	2.1	0.51 J	ND	1 J	2	95	ND	46	ND	ND	146.61
10/11/2001	A1994710	8021	ND	ND	ND	ND	ND	0.74 J	43	ND	31 D	ND	ND	74.74
01/24/2002	A2076708	8021	ND	2.3	ND	ND	2.5	ND	63	ND	280	ND	ND	347.8
04/15/2002	A2370203	8021	ND	ND	ND	ND	ND	ND	9.8	ND	44	ND	ND	53.8
07/16/2002	A2722905	8021	ND	ND	ND	ND	3	ND	16	ND	74	ND	ND	93
10/09/2002	A2A07502	8021	ND	ND	ND	ND	ND	ND	9.5	ND	39	ND	ND	48.5
01/23/2003	A3075202	8021	ND	ND	ND	ND	ND	ND	86	6.6	150	ND	ND	242.6
04/15/2003	A3356603	8021	ND	ND	ND	ND	86	1.4	29	1	80	ND	ND	197.4
07/21/2003	A3699403	8021	ND	ND	ND	ND	ND	ND	29	ND	71	ND	ND	100
10/21/2003	A3A21901	8021	ND	ND	ND	ND	2.3 J	ND	48	ND	110	ND	ND	160.3
01/28/2004	A4077601	8021	ND	ND	ND	ND	ND	1.7	52	ND	200	ND	ND	253.7
04/21/2004	A4356601	8021	ND	ND	ND	ND	1.8 J	ND	16	ND	68	ND	ND	85.8
07/21/2004	A4687102	8260	ND	ND	ND	ND	5.1	ND	19	ND	110	ND	ND	134.1
10/20/2004	A4A32302	8021	ND	ND	ND	ND	ND	ND	16	ND	84	ND	ND	100
01/13/2005	A5036107	8260	ND	ND	ND	ND	ND	1.1	22	0.64 J	160 E	ND	ND	183.74
01/13/2005	A5036107DL	8260							17 D		110 D			127
04/22/2005	A5402001	8260	ND	ND	ND	ND	ND	0.7 J	9.9	ND	63	ND	ND	73.6
07/19/2005	A5762301	8260/5ML	ND	ND	ND	ND	ND	0.95 J	14	ND	78	ND	ND	92.95
10/20/2005	A5B91901	8260	ND	ND	ND	ND	ND	1.5	20	0.56 J	100 E	ND	0.63 J	122.69
10/20/2005	A5B91901DL	8260	ND	ND	ND	ND	3 BD	ND	19 D	ND	82 D	ND	ND	104
01/23/2006	A6084703	8260	ND	ND	ND	ND	ND	1	17	ND	100 E	ND	ND	118
01/23/2006	A6084703DL	8260	ND	3.4 D	ND	ND	1.2 DJ	0.97 DJ	16 D	ND	94 D	ND	ND	115.57
04/12/2006	6D13005-07	8260	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35
01/08/2008	8A09005-07	8260	ND	ND	1	ND	4	ND	23	2	60	ND	ND	90
04/07/2008	8D08002-04	8260	ND	ND	ND	ND	ND	ND	6	ND	20	ND	ND	26
07/28/2008	5426818	8260	ND	ND	ND	ND	ND	ND	6.9	ND	19	ND	ND	25.9
10/17/2008	5502675	8260	ND	ND	2 J	ND	ND	1.4 J	41	2 J	110	ND	1.2 J	157.6
01/13/2009	5576512	8260	ND	ND	1 J	ND	ND	ND	23	1.3 J	73	ND	ND	98.3
04/13/2009	5647712	8260	ND	ND	ND	ND	ND	ND	17	ND	64	ND	ND	81

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-56M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	1.2 J	25	ND	190	ND	ND	216.2

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: 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-ethylene (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-ethylene (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	SW8260	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-ethylene (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	SW8260	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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	2.7 J	6.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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	SW8260	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-ethylene (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	SW8260	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-62M**

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	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-63M

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-65M

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	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-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-ethylene (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	SW8260	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: **DNAPL Sump**

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **P-2**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	150	26	ND	10 J	1700	970	7800	ND	48	10704

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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: 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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041304	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.42 J	ND	ND	2.82
04/20/2001	A1366407	624	ND	ND	ND	ND	ND	ND	1.6	ND	1.5	ND	ND	3.1
07/11/2001	A1648715	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.38 J	ND	ND	1.58
10/16/2001	A1A17404	8021	ND	ND	ND	ND	ND	5.2	210	ND	69	ND	3.5	287.7
01/21/2002	A2066001	8021	ND	ND	ND	ND	ND	6.5	140	ND	ND	ND	ND	146.5
04/11/2002	A2348304	8021	ND	ND	ND	ND	ND	4.9	170	ND	ND	ND	8.4	183.3
07/12/2002	A2713910	8021	ND	ND	ND	ND	ND	5.8	120	ND	4	ND	3.5	133.3
10/08/2002	A2999305	8021	ND	ND	1.1	ND	ND	10	300	ND	4	ND	ND	315.1
04/09/2003	A3329502	8021	ND	ND	ND	ND	16	ND	52	ND	ND	ND	1.8	69.8
07/08/2003	A3649104	8021	ND	ND	ND	ND	3.8	6	230	ND	ND	ND	ND	239.8
10/13/2003	A3991407	8021	ND	ND	ND	ND	ND	8.2	230	ND	ND	ND	ND	238.2
01/09/2004	A4026203	8021	ND	ND	ND	ND	ND	3.1	110	ND	ND	ND	3.1	116.2
04/14/2004	A4331803	8021	ND	ND	ND	ND	ND	2.4	100	ND	4.3	ND	ND	106.7
07/06/2004	A4636509	8021	ND	ND	ND	2.5	ND	9.2	260 E	ND	3.1	ND	3	277.8
07/06/2004	A4636509DL	8021	ND	ND	ND	ND	5.4 DE	8.8 D	230 D	ND	ND	ND	ND	244.2
10/08/2004	A4994501	8021	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	200
01/12/2005	A5036201	8260	ND	ND	ND	ND	ND	2.8	98	ND	ND	ND	ND	100.8
04/04/2005	A5307703	8260	ND	ND	ND	ND	ND	3.2	110 E	ND	0.43 J	ND	1.9	115.53
04/04/2005	A5307703DL	8260	ND	ND	ND	ND	ND	2.1 D	90 D	ND	ND	ND	ND	92.1
07/08/2005	A5715301	8260/5ML	ND	ND	ND	ND	1.2 J	5.7	140	ND	ND	ND	ND	146.9
10/05/2005	A5B10603	8260	ND	ND	0.55 J	ND	ND	6	110 E	ND	0.69 J	ND	0.98 J	118.22
10/05/2005	A5B10603DL	8260	ND	ND	ND	ND	ND	5.9 D	120 D	ND	ND	ND	ND	125.9
01/24/2006	A6089110	8260	ND	ND	ND	ND	ND	2.2	69	ND	0.52 J	ND	1.1 J	72.82
04/12/2006	6D13005-01	8260	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64
01/07/2008	8A08003-07	8260	ND	ND	ND	ND	ND	1	25	ND	ND	ND	ND	26
04/08/2008	8D09003-02	8260	ND	ND	ND	ND	3 B	2	67	ND	ND	ND	ND	72
07/16/2008	5417454	8260	ND	ND	ND	ND	ND	3.6 J	92	ND	ND	ND	ND	95.6
10/14/2008	5498679	8260	ND	ND	ND	ND	ND	1.5 J	55	ND	ND	ND	ND	56.5
01/21/2009	5582429	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	ND	ND	1.2 J	35.5
04/15/2009	5647723	8260	ND	ND	ND	ND	ND	1.6 J	46	ND	ND	ND	1.7 J	49.3
07/08/2009	5719622	8260	ND	ND	ND	ND	ND	5.4	120	ND	ND	ND	ND	125.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **P-3**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	3.9 J	83	ND	1.2 J	ND	ND	88.1

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.
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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-ethylene (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

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: **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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	22	5.2	ND	11	580	6.2	890	ND	ND	1514.4

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: 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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035112	8021	ND	ND	ND	ND	5.6	ND	71	ND	150	ND	ND	226.6
04/20/2001	A1366403	624	ND	ND	ND	ND	ND	2.4	84	ND	330 D	ND	1.9	418.3
07/11/2001	A1648702	8021	ND	ND	ND	ND	2.9	1.3	83	ND	140	ND	4.7	231.9
09/07/2001	A1863501	8021	ND	ND	ND	ND	38	ND	1500	ND	2500	ND	ND	4038
10/16/2001	A1A17402	8021	ND	ND	ND	ND	ND	ND	2700	ND	40000	ND	ND	42700
01/23/2002	A2076705	8021	ND	ND	ND	ND	1500	ND	880	ND	2000	ND	ND	4380
04/18/2002	A2378804	8021	ND	ND	ND	ND	23	ND	240	ND	1200	ND	ND	1463
07/16/2002	A2722914	8021	ND	ND	ND	ND	60	ND	520	ND	1800	ND	ND	2380
10/09/2002	A2A07508	8021	ND	ND	ND	ND	ND	ND	27000	ND	140000	ND	ND	167000
01/24/2003	A3075208	8021	ND	ND	ND	ND	ND	ND	920	ND	2100	ND	26	3046
04/09/2003	A3329403	8021	ND	ND	ND	ND	ND	ND	560	ND	1900	ND	ND	2460
07/10/2003	A3654305	8021	ND	ND	ND	ND	ND	ND	1200	ND	3800	ND	ND	5000
10/13/2003	A3991302	8021	ND	ND	ND	ND	ND	ND	1200	ND	3600	ND	ND	4800
01/09/2004	A4026101	8021	ND	ND	ND	ND	ND	18	380	ND	1300	ND	25	1723
04/14/2004	A4331403	8021	ND	ND	ND	ND	ND	ND	1400	ND	4500	ND	ND	5900
07/06/2004	A4636805	8021	ND	ND	ND	ND	ND	ND	540	ND	1600	ND	43	2183
10/07/2004	A4994204	8021	ND	ND	ND	ND	ND	ND	170	ND	130	ND	ND	300
01/12/2005	A5036101	8260	ND	ND	6.9	4.5	ND	6.1	900 E	5.5	2700 E	ND	ND	3623
01/12/2005	A5036101DL	8260							600 D		2400 D			3000
04/04/2005	A5307501	8260	ND	ND	1.2	0.61 J	ND	1.9	190 E	0.71 J	650 E	2	6.8	853.22
04/04/2005	A5307501DL	8260	ND	ND	ND	ND	ND	ND	350 D	ND	1500 BD	ND	ND	1850
07/11/2005	A5724602	8260/5ML	ND	ND	5.3	ND	ND	ND	410	ND	1100 E	ND	18	1533.3
07/11/2005	A5724602DL	8260/5ML	ND	ND	ND	ND	ND	ND	320 D	ND	870 D	ND	15 D	1205
10/05/2005	A5B10702	8260	ND	ND	ND	ND	ND	ND	390	11	1300	ND	13	1714
01/26/2006	A6102404	8260	ND	ND	2.3	0.69 J	ND	1.9	160 E	2.5	700 E	ND	2.4	869.79
01/26/2006	A6102404DL	8260	ND	ND	ND	ND	ND	ND	200 D	ND	900 D	ND	7.5 D	1107.5
04/13/2006	6D14002-07RE1	8260	ND	ND	2	ND	ND	2	146	ND	636 D	ND	6	792
07/11/2006	6G12005-01	8260	ND	ND	2	ND	4	2	143	2	449 D	ND	ND	602
10/09/2006	6J10002-02	8260	ND	ND	ND	ND	ND	2	114	ND	871 D	ND	3	990
01/09/2007	7A10006-02	8260	ND	ND	3	ND	ND	2	185	3	638 D	ND	7	838
04/03/2007	7D04039-04	8260	ND	ND	6	2	ND	3	302 D	6	1040 D	ND	20	1379
07/05/2007	7G06018-05RE1	8260	ND	ND	ND	ND	ND	ND	68	ND	235	ND	6	309
10/09/2007	7J10006-07	8260	ND	ND	4	ND	ND	3	304	ND	1090 D	ND	13	1414
01/07/2008	8A08003-08	8260	ND	ND	ND	ND	31	ND	84	ND	463	ND	ND	578
04/08/2008	8D09003-03	8260	ND	ND	12	ND	16 B	ND	455	7	1690 D	ND	31	2211
07/21/2008	5420903	8260	ND	ND	1.3 J	ND	ND	1.6 J	120	ND	1500	ND	7.5	1630.4
10/14/2008	5498687	8260	ND	ND	110 J	54 J	ND	60 J	10000	ND	41000	ND	180 J	51404

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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: 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-ethylene (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	SW8260	ND	ND	ND	ND	ND	0.92 J	58	ND	210	ND	2.5 J	271.42

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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: PW-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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

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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: 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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/13/2003	A3991406	8021	ND	ND	ND	5	ND	4.8	840 D	ND	1500 D	2.8	40 D	2392.6
01/07/2004	A4012401	8021	ND	ND	ND	ND	ND	ND	490	ND	1800	ND	ND	2290
04/14/2004	A4331401	8021	ND	ND	ND	ND	ND	ND	460	ND	2400	ND	ND	2860
07/07/2004	A4636804	8021	ND	ND	ND	ND	ND	ND	440	ND	1300	20	36	1796
10/13/2004	A4A09404	8021	ND	ND	ND	3.1	ND	2.5	490 D	ND	1200 D	4.1	3.1	1702.8
01/12/2005	A5036105	8260	ND	ND	ND	ND	ND	ND	700	ND	4000 E	ND	ND	4700
01/12/2005	A5036105DL	8260							460 D		2200 D			2660
04/04/2005	A5307502	8260	ND	ND	ND	2	ND	3.8	570 E	ND	1800 E	35	4.9	2415.7
04/04/2005	A5307502DL	8260	ND	ND	ND	ND	ND	ND	500 D	ND	3700 BD	ND	ND	4200
07/11/2005	A5724603	8260/5ML	ND	ND	ND	ND	ND	ND	1400	ND	3200	ND	36	4636
10/05/2005	A5B10703	8260	ND	ND	ND	ND	ND	ND	800	ND	1500	ND	ND	2300
01/24/2006	A6089105	8260	ND	ND	ND	ND	ND	ND	450	ND	3100 E	18	ND	3568
01/24/2006	A6089105DL	8260	ND	ND	ND	ND	ND	ND	520 D	ND	3700 D	23 D	ND	4243
04/13/2006	6D14002-06RE1	8260	ND	ND	ND	ND	ND	1	298 D	ND	946 D	10	4	1259
07/11/2006	6G12005-02	8260	ND	ND	ND	5	3	5	1150 D	ND	3150 D	8	5	4326
10/09/2006	6J10002-06	8260	ND	ND	ND	4	ND	6	1550 D	ND	4620 D	3	4	6187
01/09/2007	7A10006-05	8260	ND	ND	ND	ND	39	ND	437	ND	1940 D	21	ND	2437
04/03/2007	7D04039-05	8260	ND	ND	ND	2	ND	3	540 D	ND	2250 D	18	9	2822
07/05/2007	7G06018-02	8260	ND	ND	ND	ND	ND	ND	1320	ND	3120	ND	61	4501
10/09/2007	7J10006-06	8260	ND	ND	ND	ND	ND	ND	1400	ND	4220 D	ND	ND	5620
01/07/2008	8A08003-04RE1	8260	ND	ND	ND	ND	ND	ND	849	ND	362	ND	24	1235
04/08/2008	8D09003-05	8260	ND	ND	ND	ND	35 B	12	2910 D	ND	2120 D	ND	154	5231
07/16/2008	5417446	8260	ND	ND	ND	8	ND	5.2	770	ND	630	ND	130	1543.2
10/14/2008	5498677	8260	ND	ND	ND	10 J	ND	6.4 J	1000	ND	1400	ND	31	2447.4
01/15/2009	5578620	8260	ND	ND	ND	3.2 J	ND	2.7 J	630	ND	2000	ND	48	2683.9
04/13/2009	5647718	8260	ND	ND	ND	4.5 J	ND	ND	730	ND	2200	ND	50	2984.5
07/07/2009	5718469	8260	ND	ND	ND	19 J	ND	15 J	2600	ND	5000	ND	17 J	7651
10/06/2009	5799011	8260	ND	ND	ND	11 J	ND	8.6 J	1700	ND	5500	ND	8 J	7227.6
01/25/2010	5892346	8260	ND	ND	ND	ND	ND	ND	1400	ND	6300	ND	49 J	7749
04/06/2010	5946901	8260	ND	ND	ND	4.3 J	ND	5.1 J	940	ND	4300	ND	40	5289.4
07/21/2010	6039079	8260	ND	ND	ND	28	ND	20 J	2500	ND	4000	ND	13 J	6561
10/12/2010	6109759	8260	ND	ND	ND	8.5 J	ND	6.8 J	1400	ND	3100	ND	7 J	4522.3
01/24/2011	6190813	8260	ND	ND	ND	4.5 J	ND	4.2 J	970	ND	3400	ND	22 J	4400.7
04/12/2011	6256722	8260	ND	ND	ND	3 J	ND	4.3 J	560	ND	2600	1.8 J	ND	3169.1
07/18/2011	6348763	8260	ND	ND	ND	8.7 J	ND	6.9 J	1300	ND	3100	ND	26	4441.6
10/12/2011	6435906	8260	ND	ND	ND	7.2 J	ND	6.9 J	1100	ND	2900	ND	ND	4014.1
01/19/2012	6527712	8260	ND	ND	ND	2.3 J	ND	2.7 J	500	ND	2000	ND	2.3 J	2507.3

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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: 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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	9.5	ND	8.2	1400	ND	2900	2.4 J	4.1 J	4324.2

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:

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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: **PW-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (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	SW8260	ND	ND	ND	ND	ND	ND	22	ND	260	ND	ND	282

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 Pond**

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/24/2001	A1375203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2001	A1A28803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2002	A2351701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2005	A5B19701	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-10	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/11/2007	7J12012-06	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/16/2008	8D16026-02	8260	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
10/14/2008	5498681	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651168	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799014	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948421	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2010	6116889	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2011	6259037	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2011	6433656	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
04/04/2012	6607029	8260	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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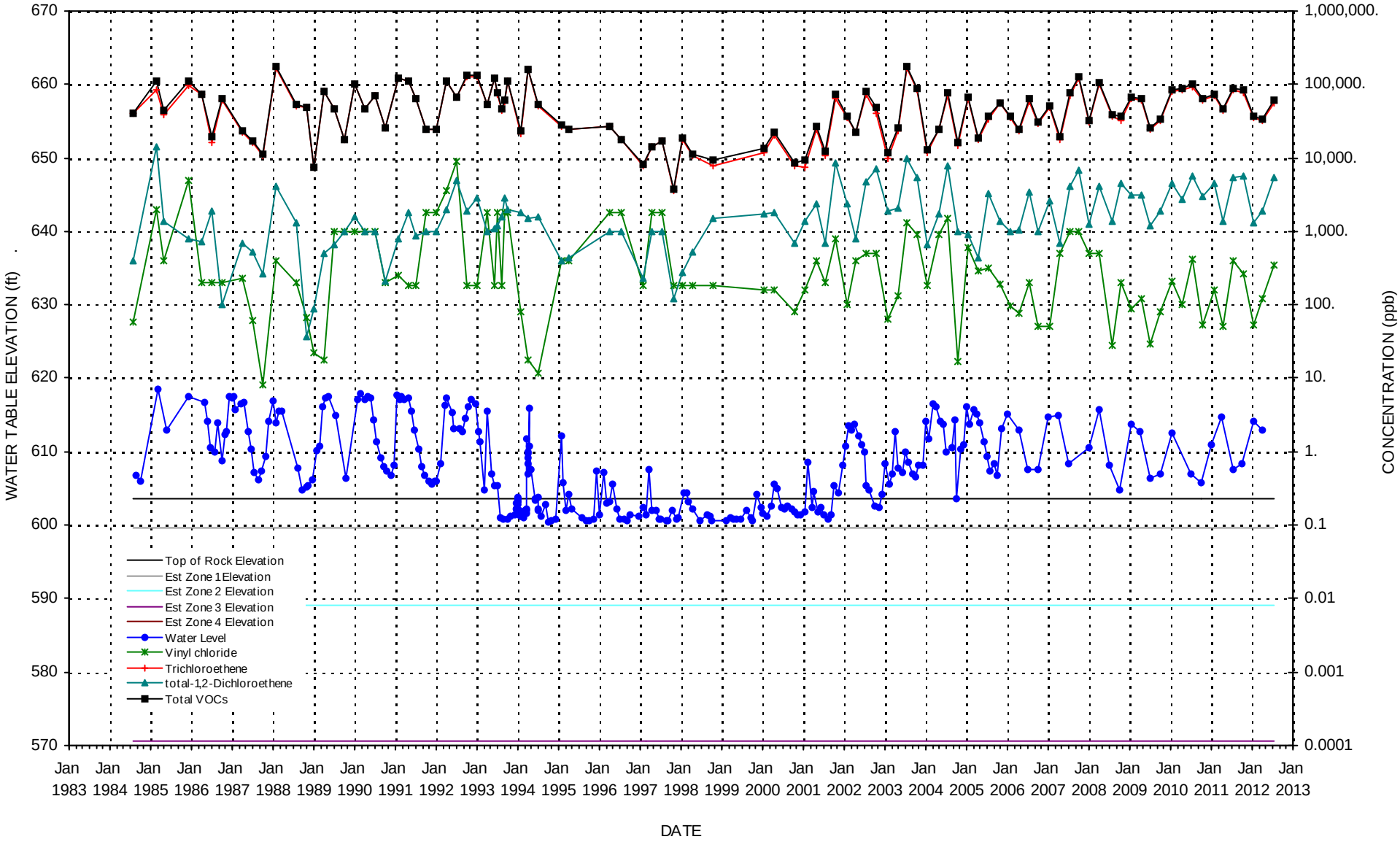
FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B- 8M



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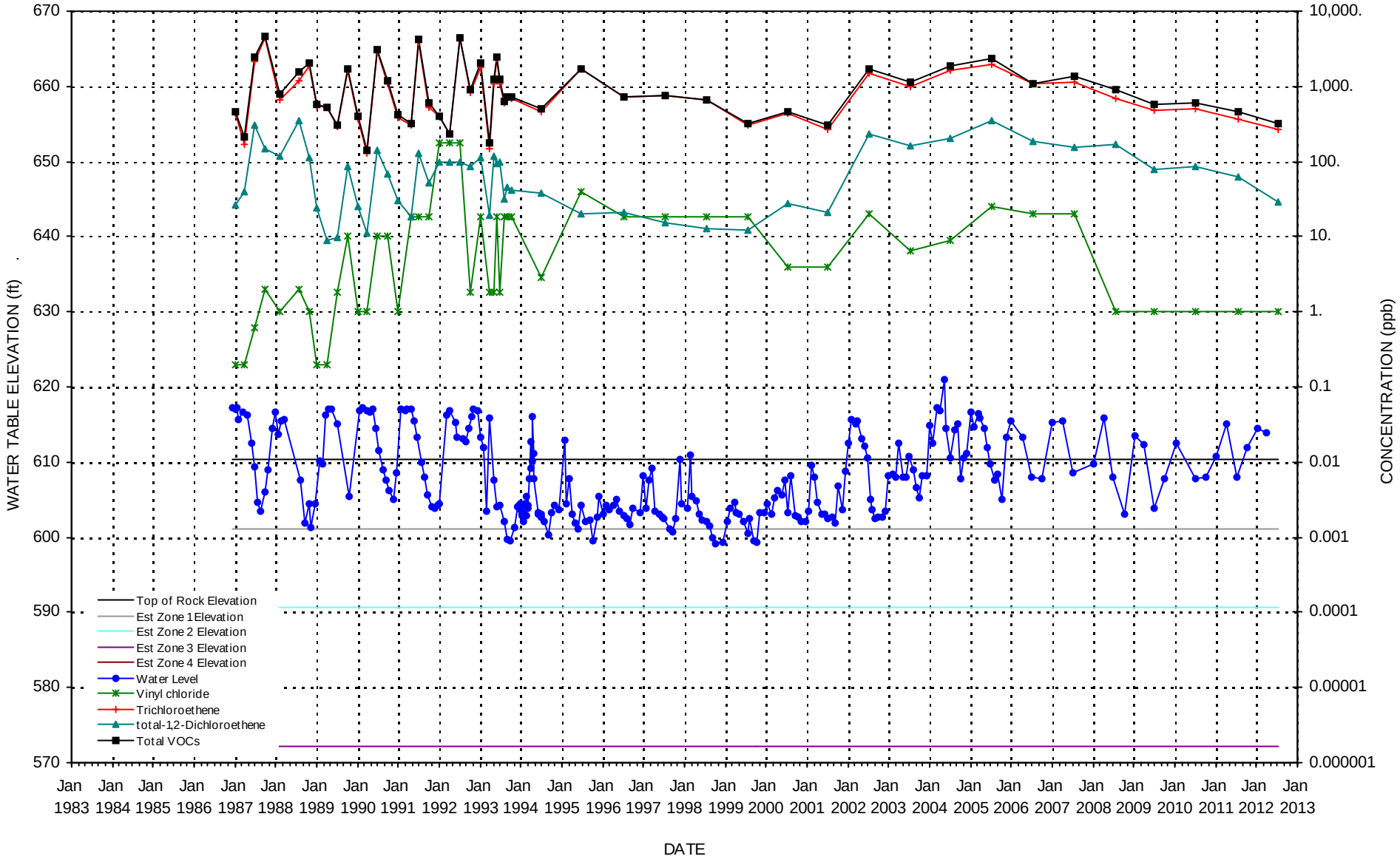
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-11M



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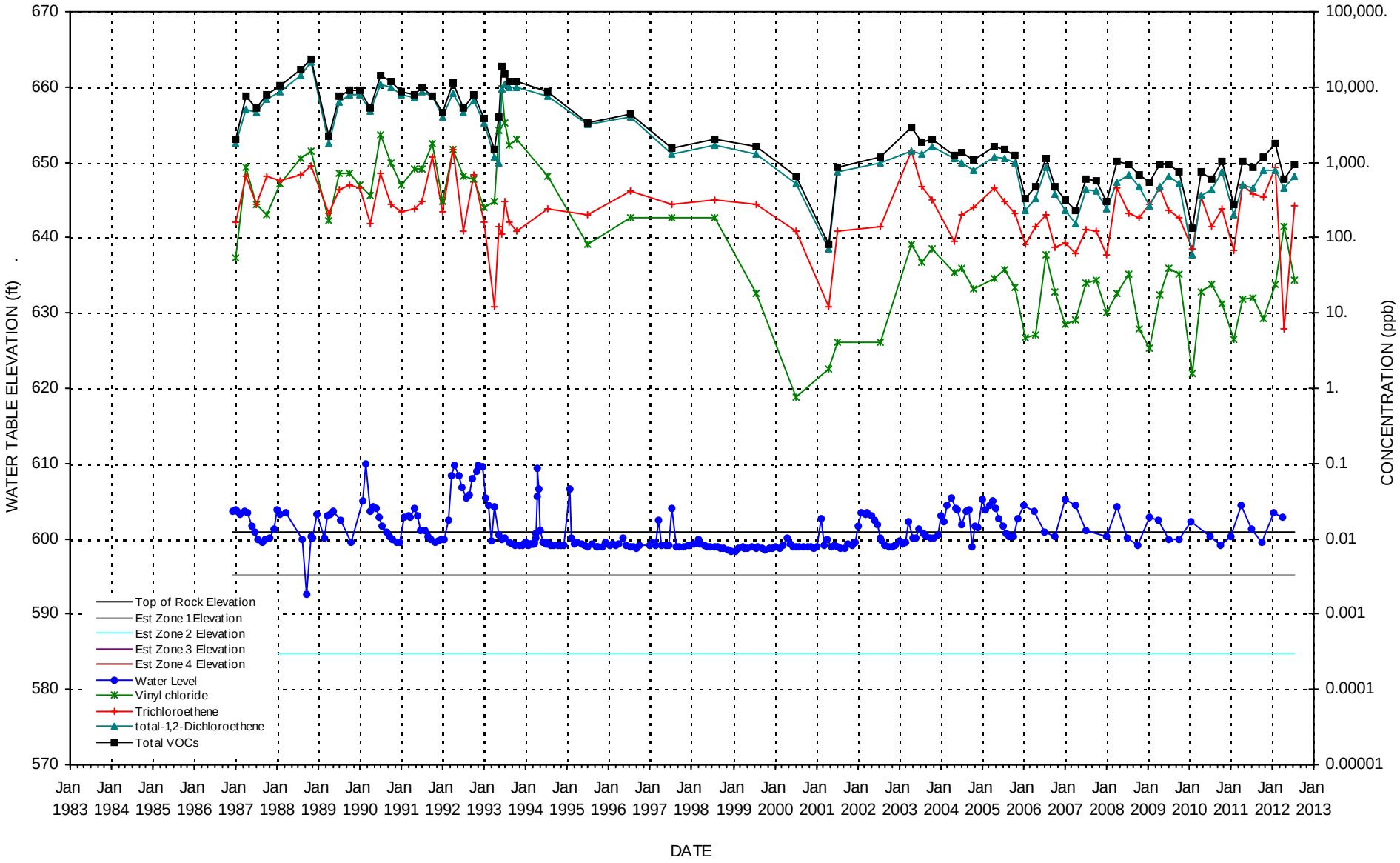
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-13M



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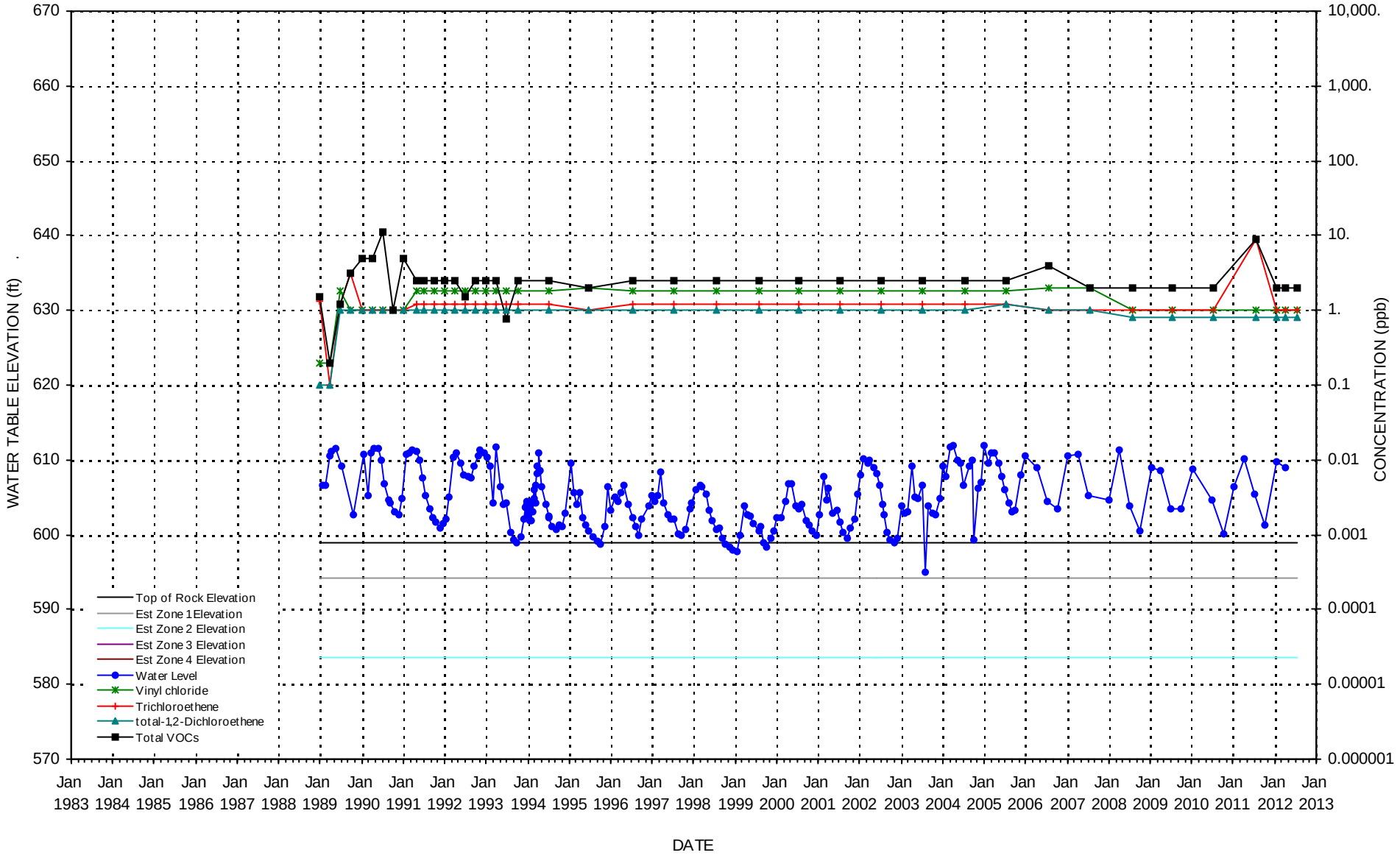
PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-26M



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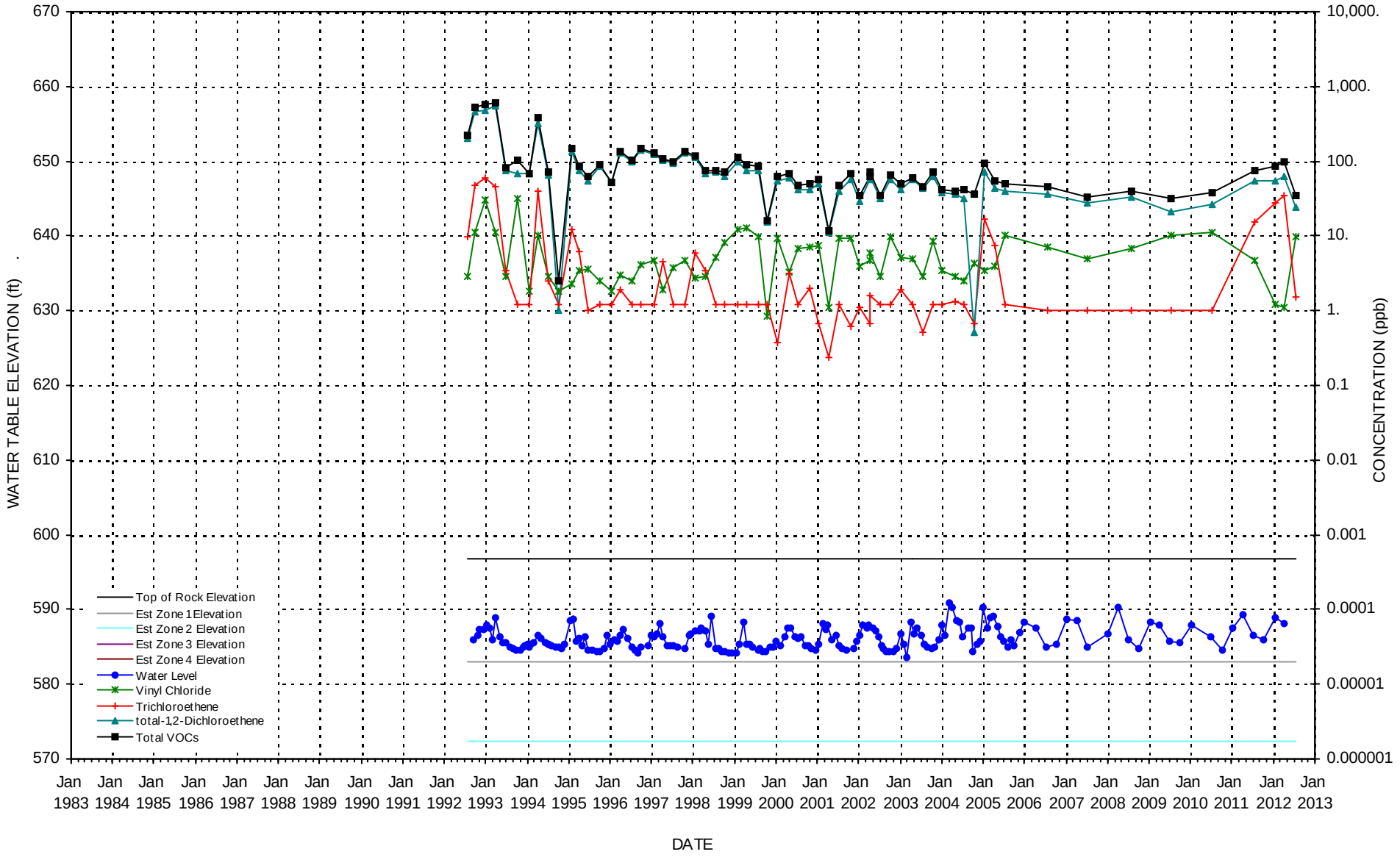
PARSONS

FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-32M



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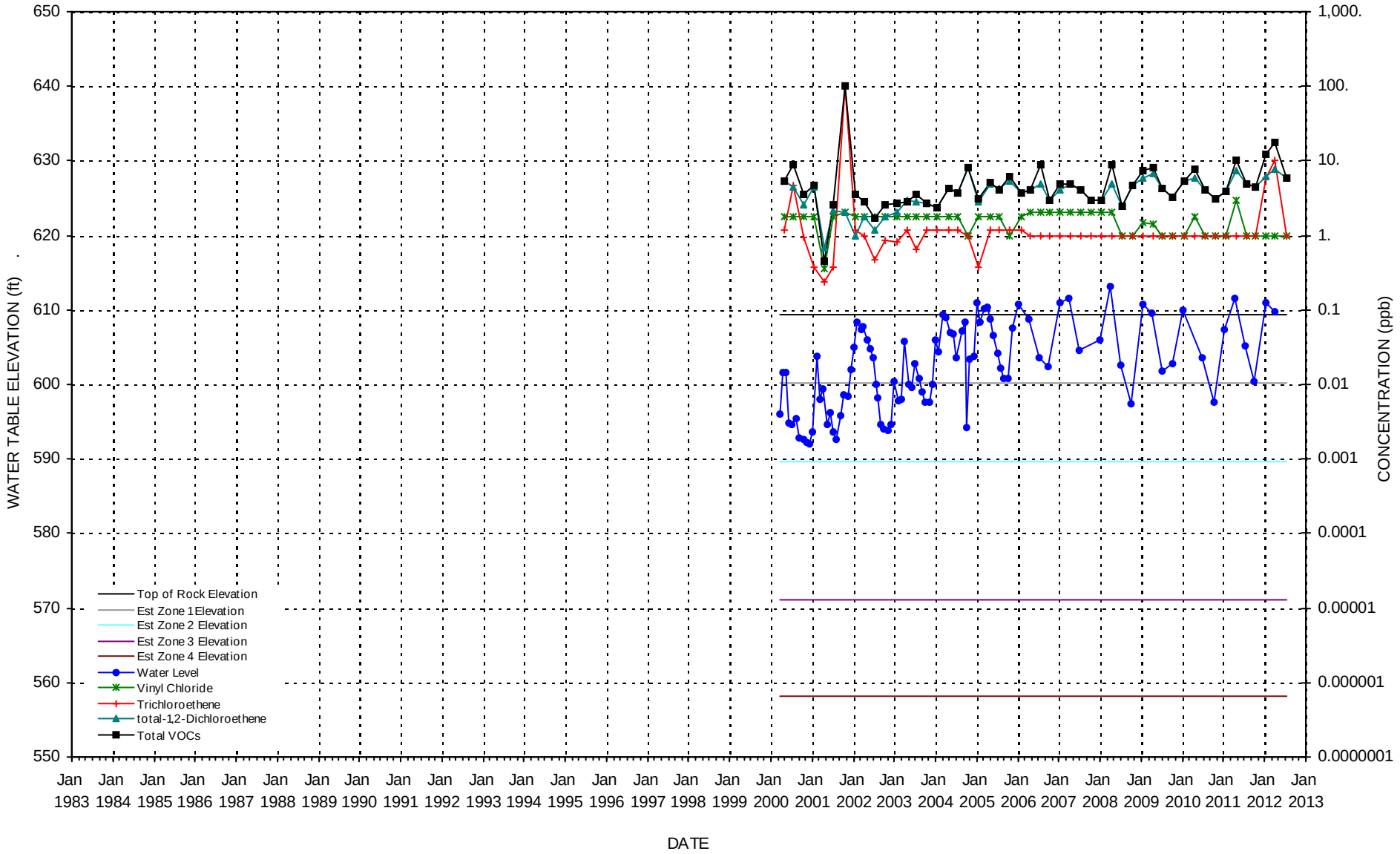
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

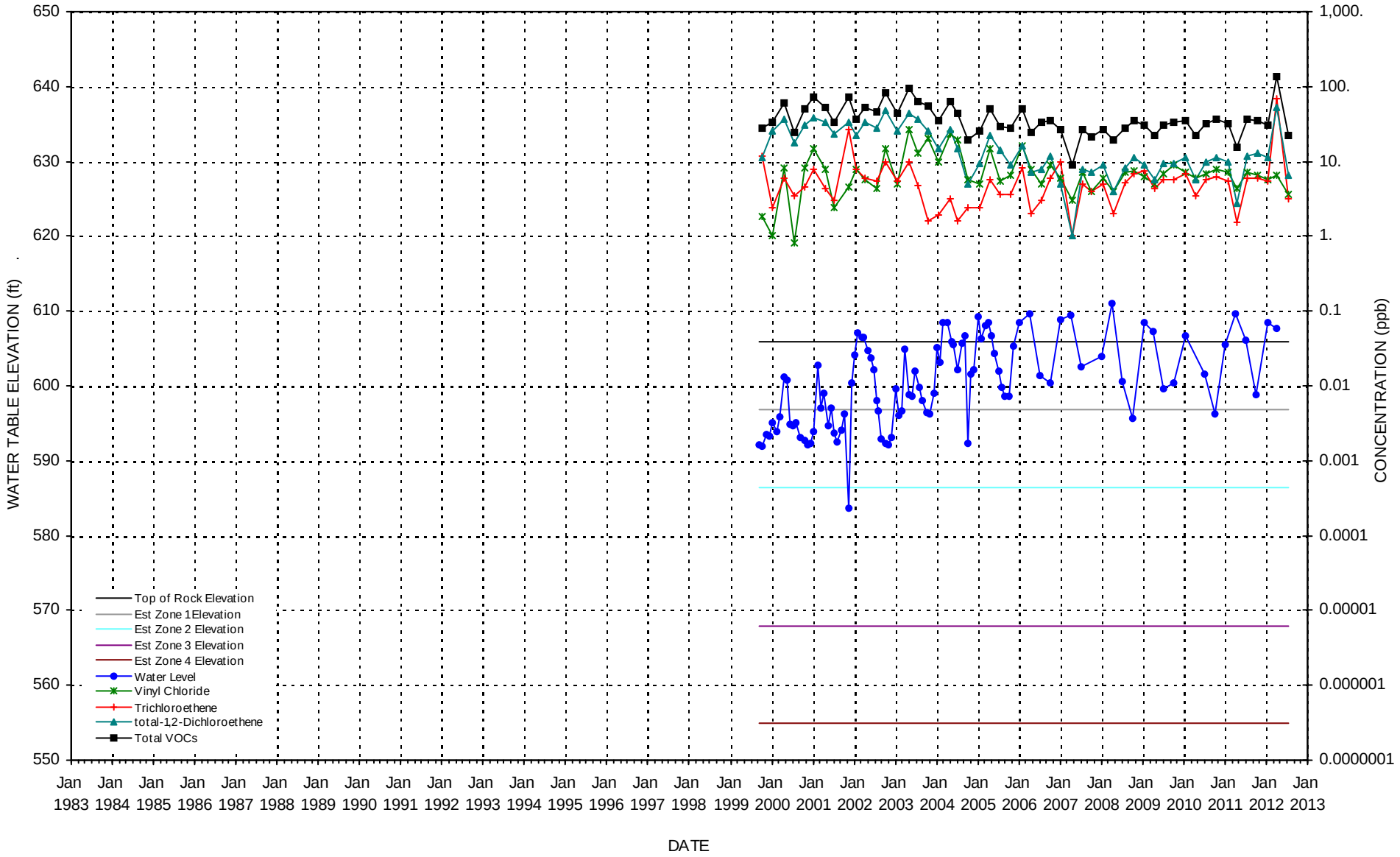
WELL B-41M



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL B-44M



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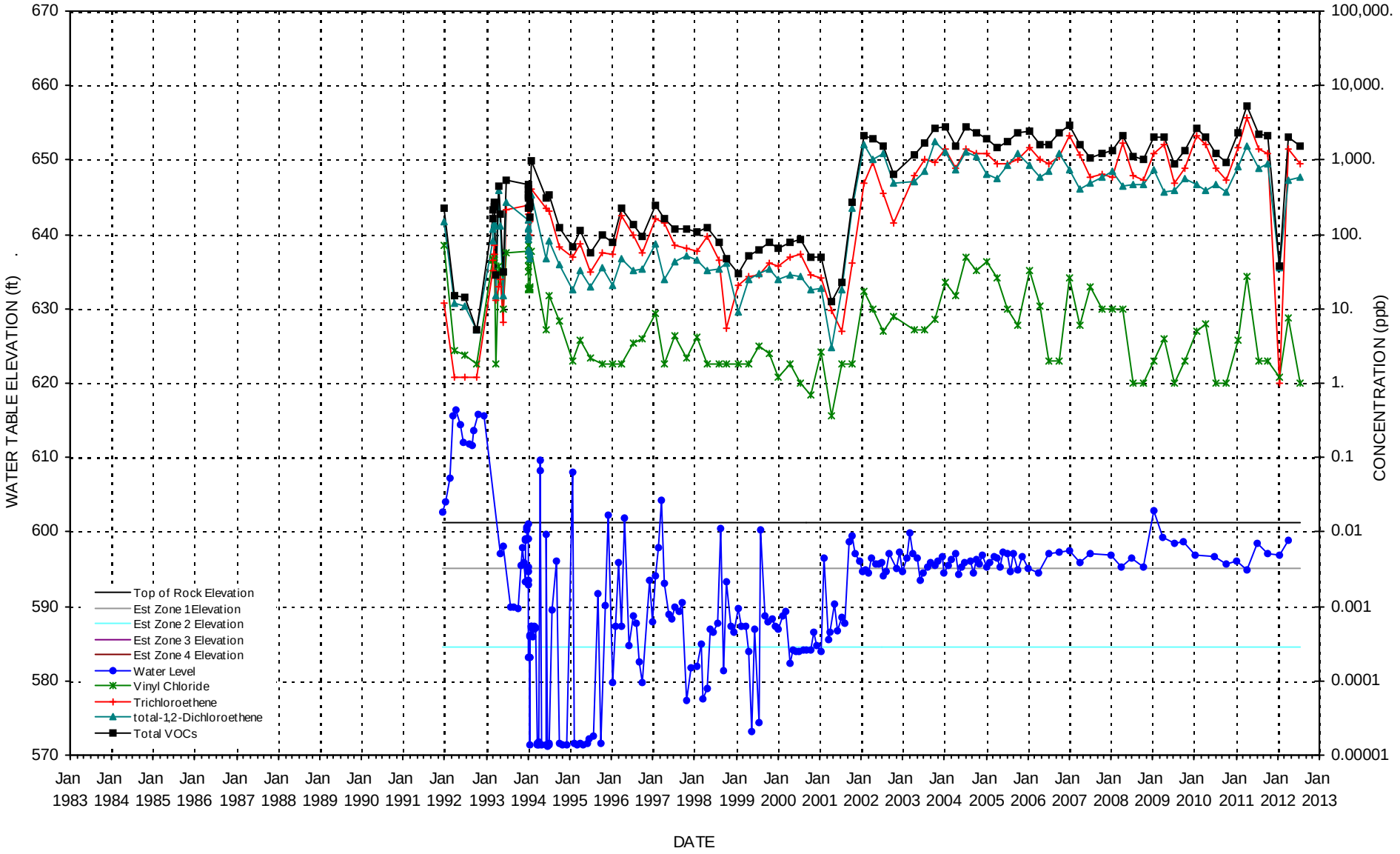
PARSONS

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

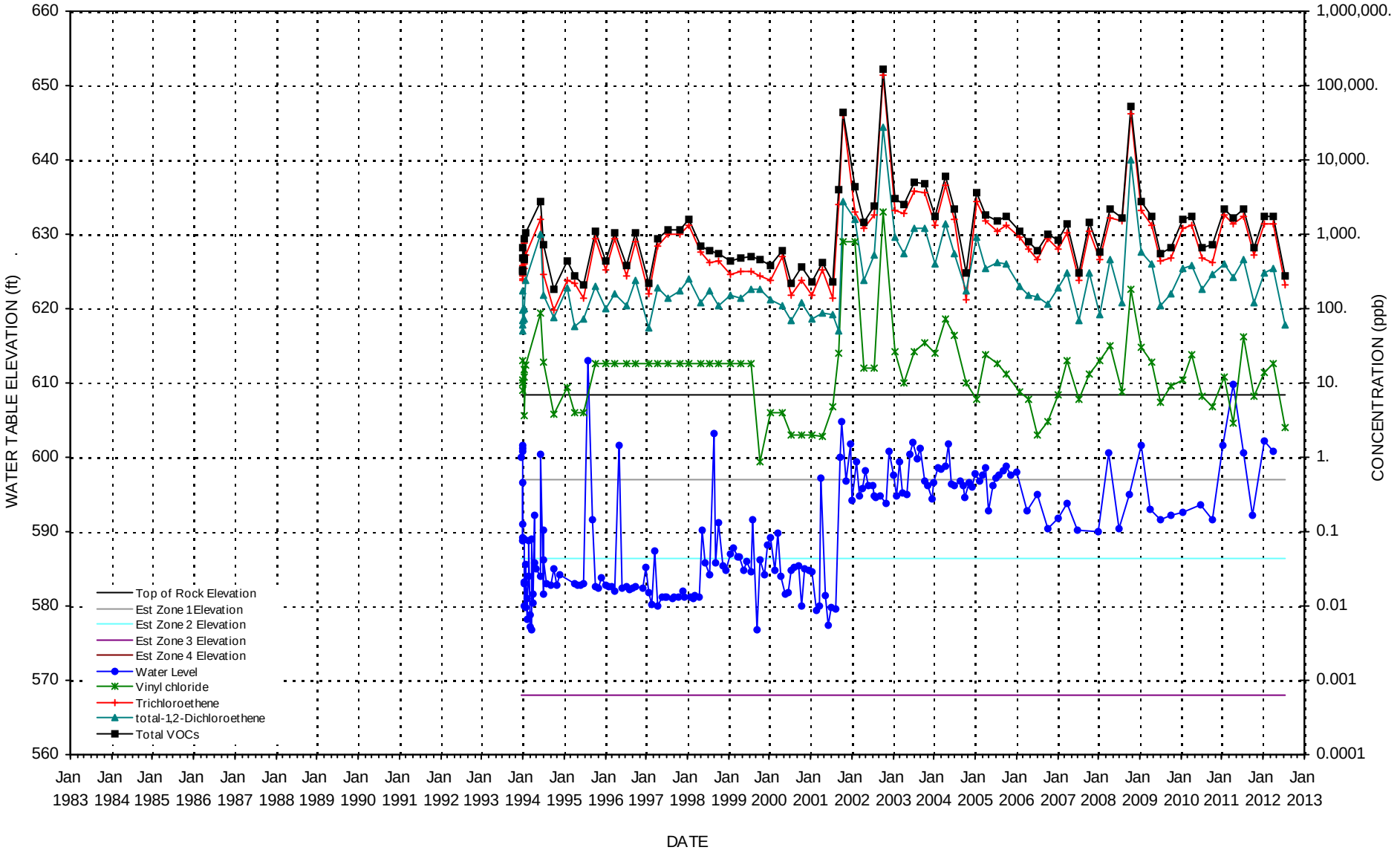
WELL P-4



FORMER CARBORUNDUM FACILITY **WHEATFIELD, NEW YORK**

WATER LEVELS & CHLORINATED SOLVENT CONCENTRATIONS

WELL PW-1



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PARSONS

APPENDIX D

ELECTRONIC COPY OF THE REPORT IN PORTABLE DOCUMENT FILE (PDF) FORMAT