

August 6, 2010

Mr. Timothy Dieffenbach
NYSDEC
Region 9
270 Michigan Avenue
Buffalo, New York 14203-2399

RE: Second Quarter 2010 Monitoring Report
Former Carborundum Facility, Village of Sanborn, Town of Wheatfield, New York
NYSDEC Site No. 932102

Dear Mr. Dieffenbach:

On behalf of Atlantic Richfield Company, attached is the Second Quarter 2010 Monitoring Report for the former Carborundum facility in Wheatfield, New York (Site). The report covers activities at the Site from April 1, 2010 through June 30, 2010. The compact disc enclosed at the end of the attached report contains an electronic copy of the report in portable document file (PDF) format.

If you have any questions, please feel free to contact me at (716) 541-0752.

Sincerely,



Mark Raybuck
Project Manager

Attachment

cc: W. Barber – ARC
M. Forcucci - NYSDOH
G. Litwin – NYSDOH
E. Fulwell – NCCC
K. Scott – Metallics
R. Locey - NYSDC
G.A. Rider – NYSDC
J. Devauld – NCDOH
R. Becken – O&M Ent.

SECOND QUARTER 2010 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

40 LARIVIERE DRIVE, SUITE 350

BUFFALO, NEW YORK 14202

August 2010

Second Quarter 2010 Monitoring Report For:

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

Prepared for:



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Environmental Conservation
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August 2010

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APPENDIX D ELECTRONIC COPY OF THE REPORT IN PORTABLE DOCUMENT FILE (PDF) FORMAT

QUARTERLY MONITORING REPORT GROUNDWATER REMEDIATION PROGRAM AT THE FORMER CARBORUNDUM FACILITY VILLAGE OF SANBORN, TOWN OF WHEATFIELD, NIAGARA COUNTY, NEW YORK

INTRODUCTION

On behalf of the Atlantic Richfield Company (ARC), Parsons conducts ongoing Operations, Monitoring, and Maintenance (OM&M) activities for the groundwater remediation system at the former Carborundum Facility located at 2040 Cory Drive in the Village of Sanborn, Town of Wheatfield, New York (Site). Figure 1 shows the location of the Site. As part of the OM&M activities, quarterly groundwater sampling is scheduled for January, April, July, and October. This report presents the results of the April 2010 groundwater sampling event and provides a summary of the OM&M activities completed between April 1 and June 30, 2010.

The April 2010 groundwater sampling event included static water level measurements prior to purging, and the collection of groundwater samples from 23 monitoring wells, six recovery wells, and a surface water sample from the Niagara Quarry in accordance with the NYSDEC-approved (October 2005) sampling program. The program was amended in 2009 to include recovery well PW-4 in the sampling program. All samples were submitted to Lancaster Laboratories, Inc. for volatile organic compound (VOC) analysis. In addition, 15 of the samples were analyzed for natural attenuation parameters. 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 April 5, 2010, water levels were measured in 60 monitoring wells and six recovery wells. The water levels were measured to the nearest 0.01 feet from the top of the well casing, using an electronic water level meter. The water level meter was decontaminated between measurements at each well. Water level elevations were calculated using the surveyed elevations of the top of well casings and the measured depth to groundwater. Table 1 provides a summary of the water level measurements. Groundwater elevation contours for the Top of Rock Zone and Zone 1 for April 2010 are shown in Figures 5 and 6. Groundwater elevations and resultant flow patterns are consistent with the historical data. Groundwater flow in both the Top of Rock Zone and Zone 1 is generally to the southeast in the northern part of the site and to the southwest in the southern part of the site and south of the site.

GROUNDWATER SAMPLING

The groundwater sampling event was completed between April 6 and April 19, 2010. 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. Analytical results for the QA/QC samples are included in Appendix B. A trip blank was included with each sample cooler.

Low-flow sampling methods were employed to collect 15 groundwater samples. These samples were analyzed for natural attenuation parameters. A pneumatically operated bladder pump was placed approximately one to two feet above the well bottom. Groundwater was pumped through an in-line flow cell until groundwater quality readings for indicator parameters (pH, temperature, conductivity, redox, and dissolved oxygen) stabilized. Data collected during purging can be found on the field sampling forms in Appendix A and Table 2. Purge volumes varied from 0.8 to 18 gallons per well. After the parameters stabilized, the groundwater sample was collected.

The remaining eight wells were purged with a decontaminated pump, dedicated high density polyethylene (HDPE) bailer, or the sampling port on the pumping well (see Table 2). 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 complete, a groundwater sample was collected from the monitoring well.

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

SURFACE WATER SAMPLE

One surface water sample was collected from the quarry pond on April 7, 2010. The sample was collected by directly filling three pre-cleaned, 40-ml glass vials provided by Lancaster Laboratories with quarry pond water. The sample vials did not contain preservatives. The containers were visually inspected to confirm that they did not contain air bubbles.

LABORATORY ANALYSIS AND RESULTS

Groundwater samples collected during the April 2010 sampling event were submitted to Lancaster Laboratories, a New York State Department of Health certified laboratory, for 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 were consistent with historical concentrations, and have been summarized in Table 4. Figures 3 and 4 provide a summary of the analytical results, plotted on a site map. The sample results have been incorporated into the project water quality database. A historical summary (January 2001 through June 2010) is provided in the tables in Appendix C.

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 normal operation. Non-routine system maintenance and repairs during the quarter included:

- removed Vapor PAC-10 vapor carbon unit from site and removed guides in floor (trip hazard) that were used with the unit;
- adjusted vehicle gate between recovery wells P-3 and P-4 so that it would close properly; and
- replaced the check valve downstream of P-801 pumps.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

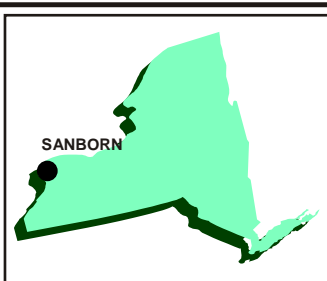
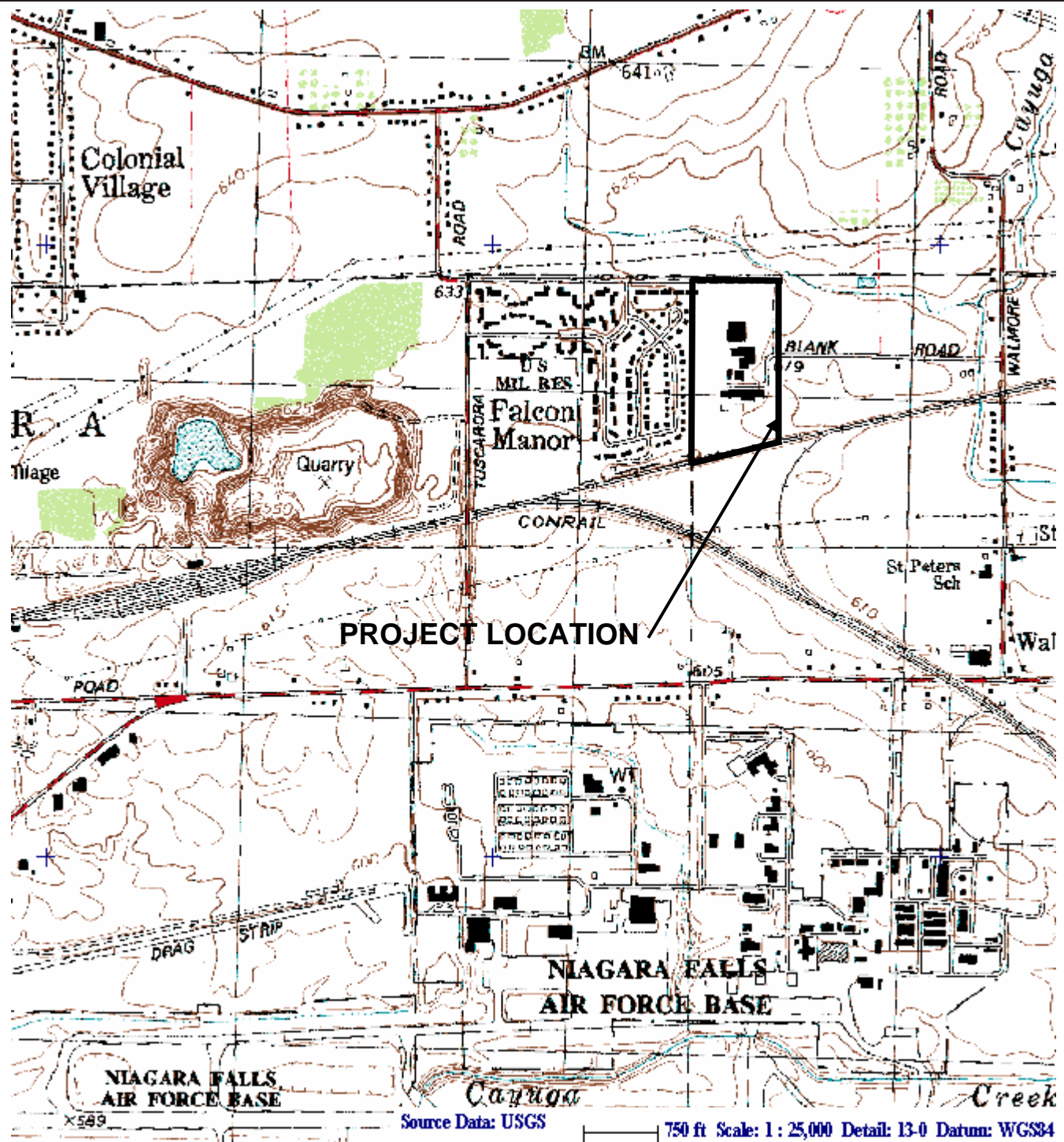
During the reporting period, approximately 11.8 million gallons of groundwater were recovered and treated. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorized discharge through March 31, 2012. The average pumping rate from the system was approximately 89.9 gallons per minute during the reporting period. The total extracted mass during the second quarter of 2010 was 62.9 pounds. The extracted mass was estimated using individual well pumping rates and analytical results. Table 6 provides the GRS performance summary for the quarter.

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. One non-compliant result was identified at a level above the SPDES permit requirements. The original analytical result for phenol (0.0075 mg/L) was over the permit level of 0.005 mg/L in the first of the two samples collected for phenols analysis in April 2010. Re-analysis of the sample resulted in a detection of 0.0055 mg/L. Blank contamination was identified as the likely cause of the detected phenols. The other analytical result for phenols in April was non-detect.

SUMMARY AND CONCLUSIONS

- Groundwater elevation and flow paths were consistent with historical patterns.
- Analytical results for VOCs were consistent with historical concentrations. The 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.
- Discharge monitoring reports (DMRs) were provided to NYSDEC. The data were within compliance parameters for the reporting period, with the exception of one of the two samples collected in April for phenols. Laboratory blank contamination was suspected as the cause of this detection above the permit level. Other analytical results for phenol during the period were non-detect.

FIGURES



New York
Quadrangle

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



SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

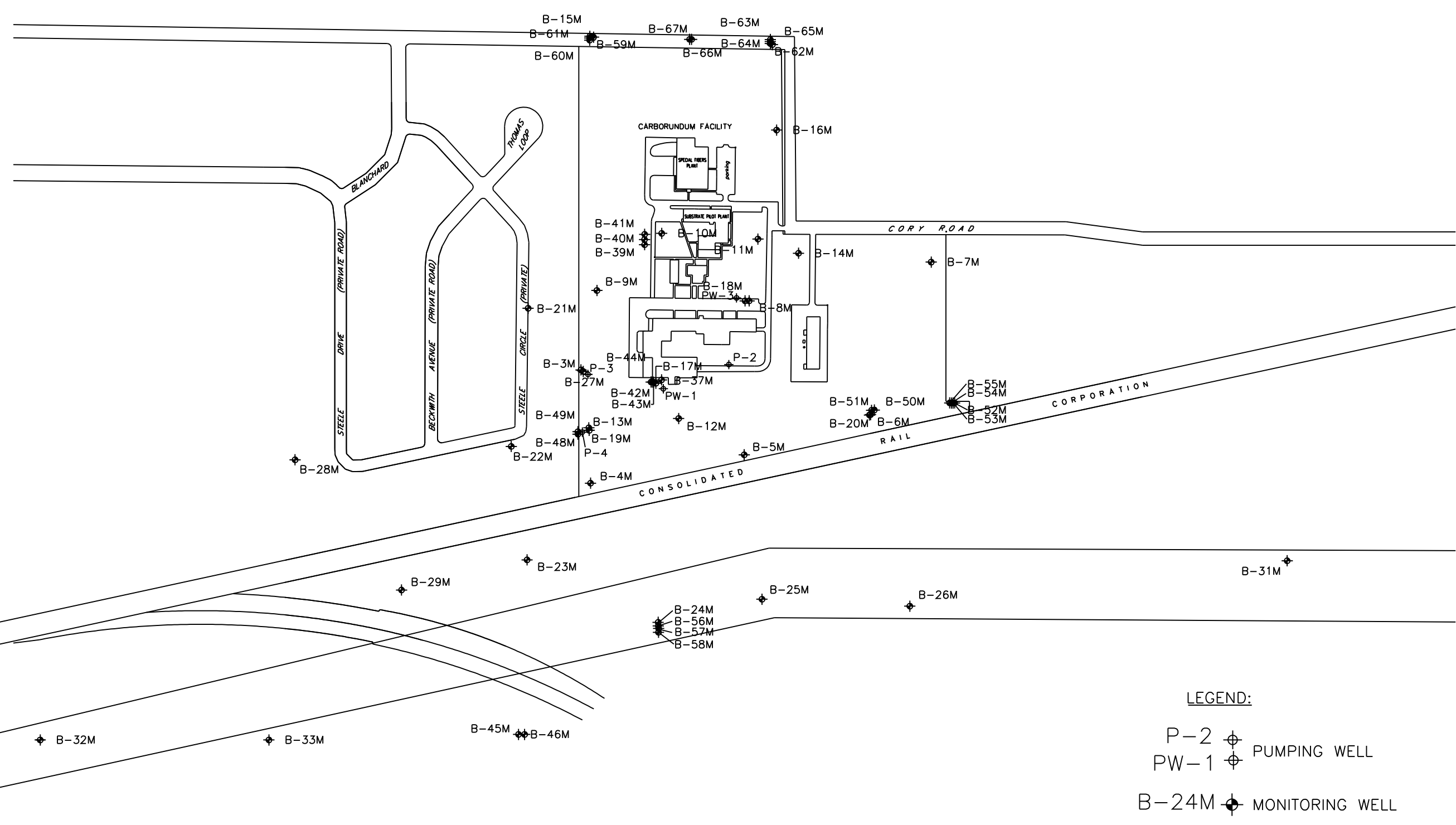
FIGURE 1




ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

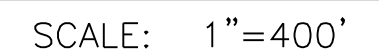
PROJECT LOCATION PLAN

PARSONS

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

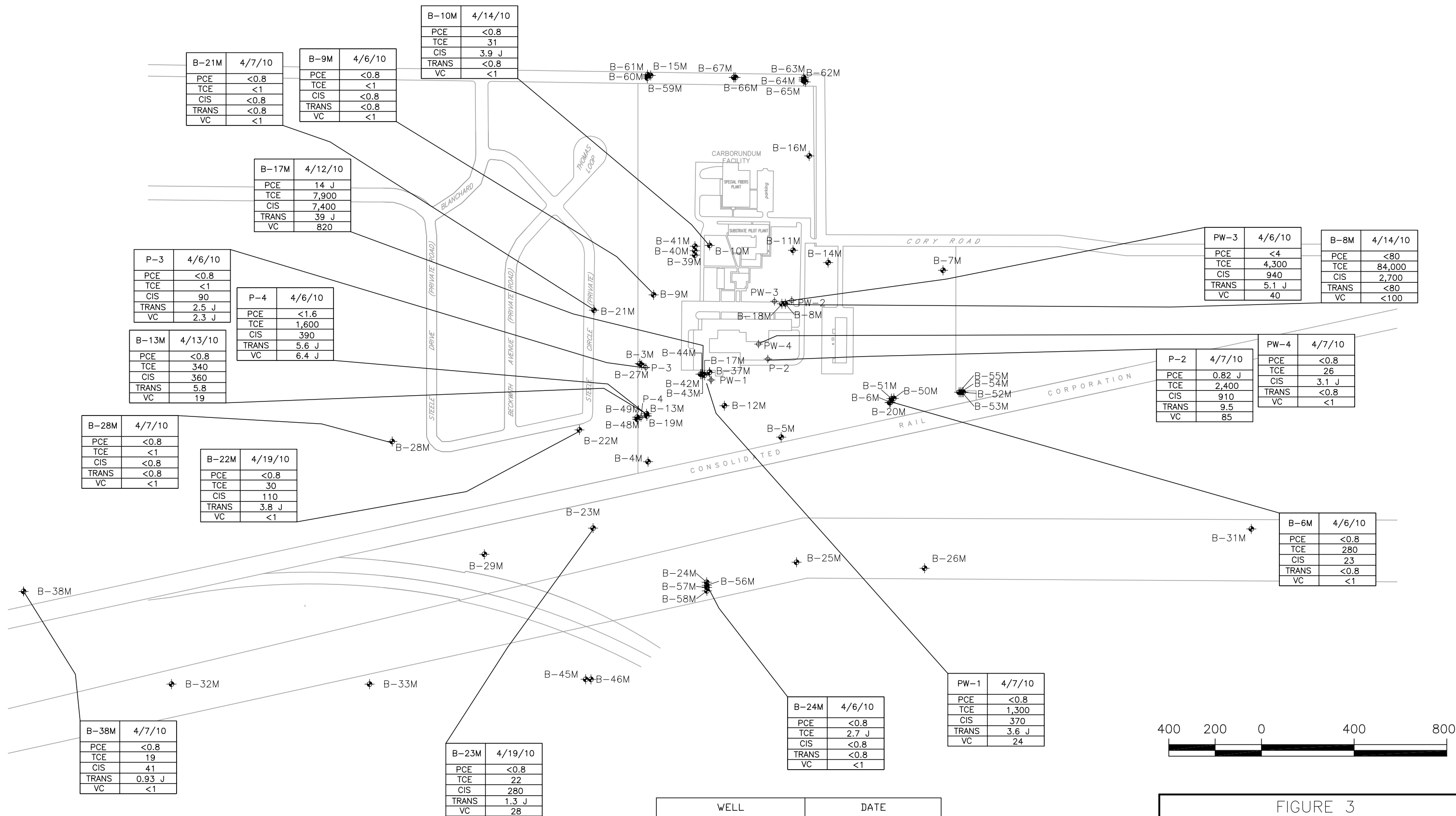


P-2  PUMPING WELL
PW-1 
B-24M  MONITORING WELL



SITE PLAN

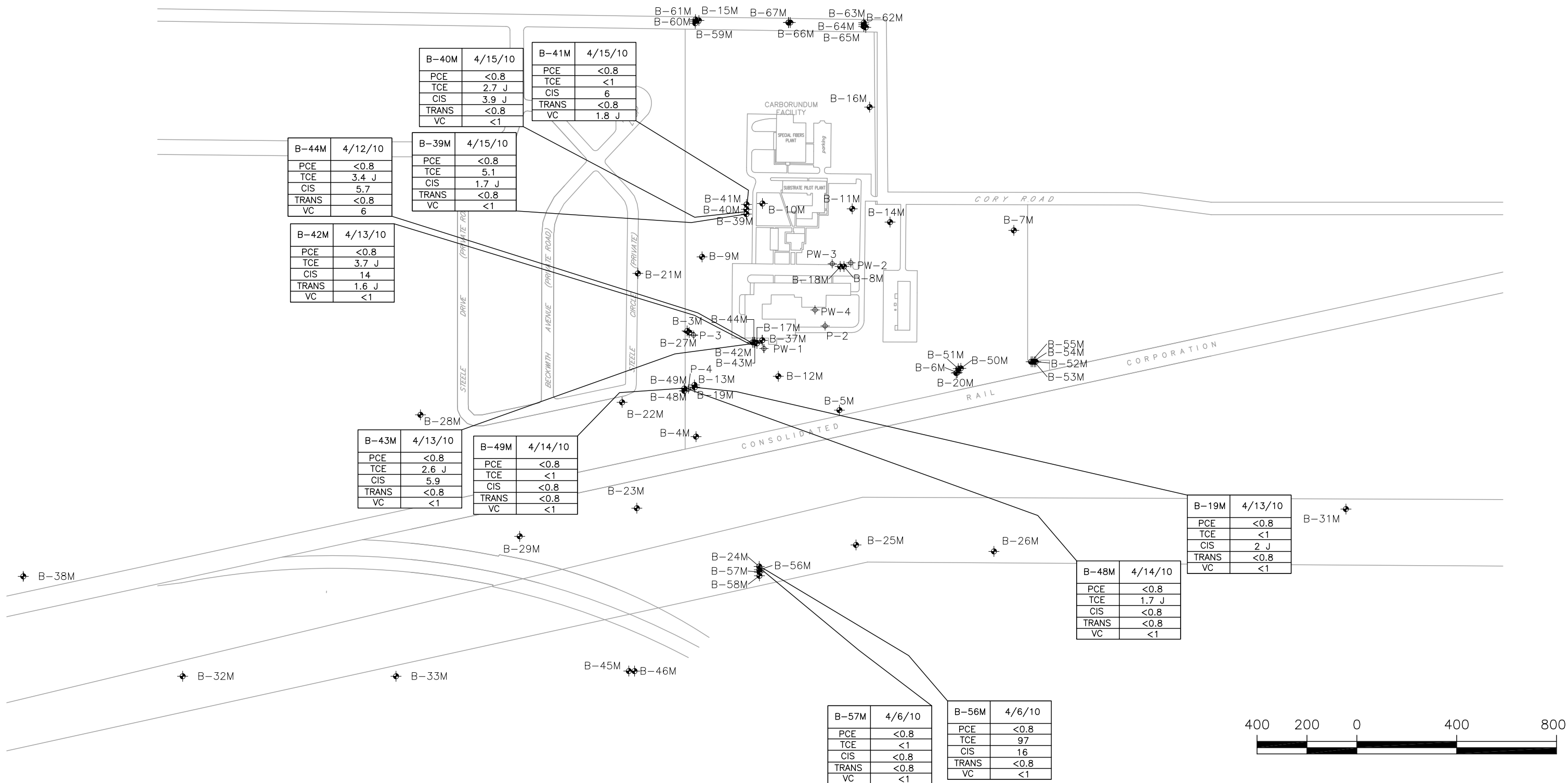
40 LA RIVIERE DRIVE, SUITE 350, BUFFALO, N.Y. 14202, PHONE: 716-541-0730

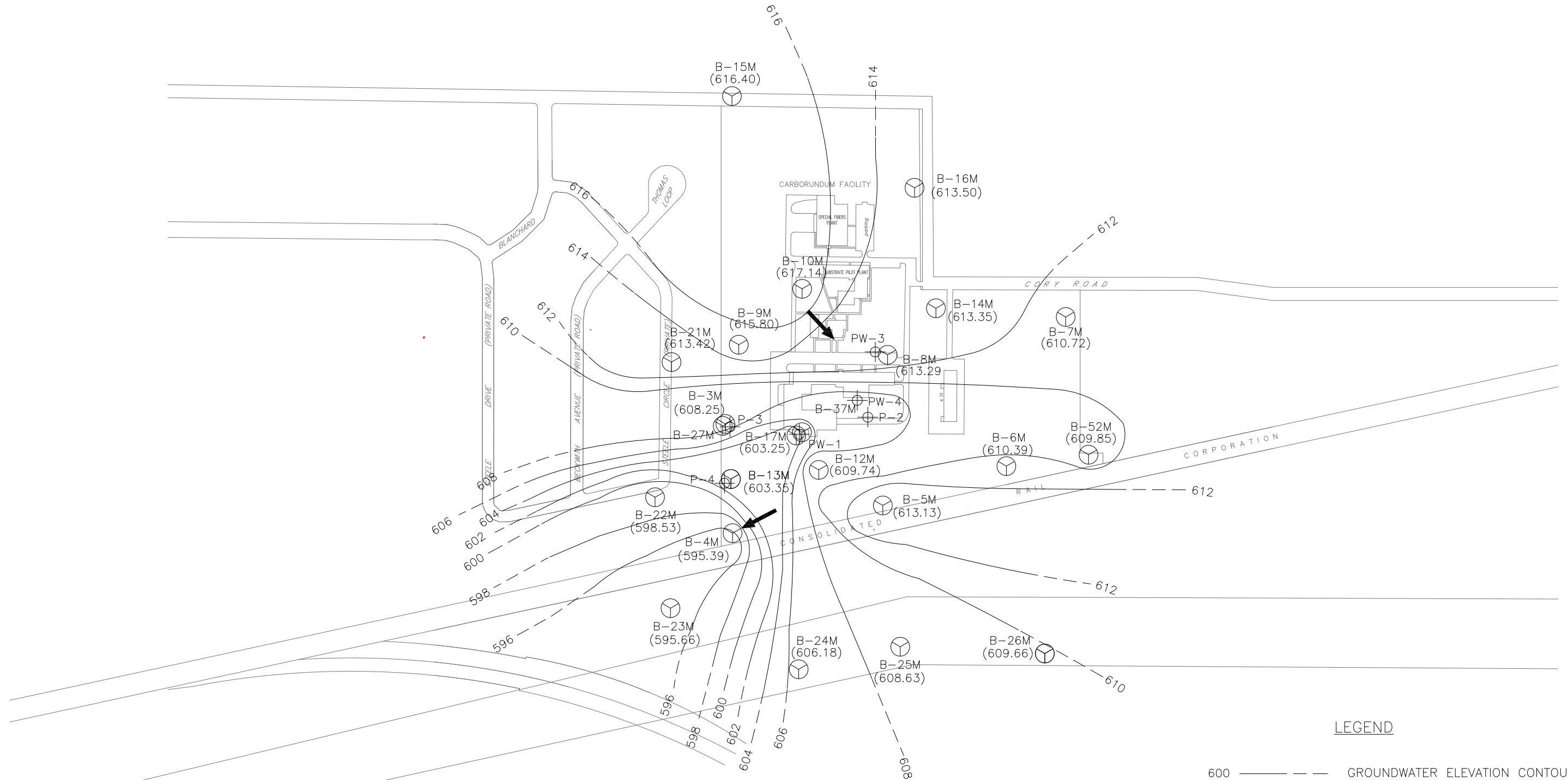


WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	

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
TOP OF ROCK AND ZONE 1
APRIL QUARTERLY SAMPLING EVENT



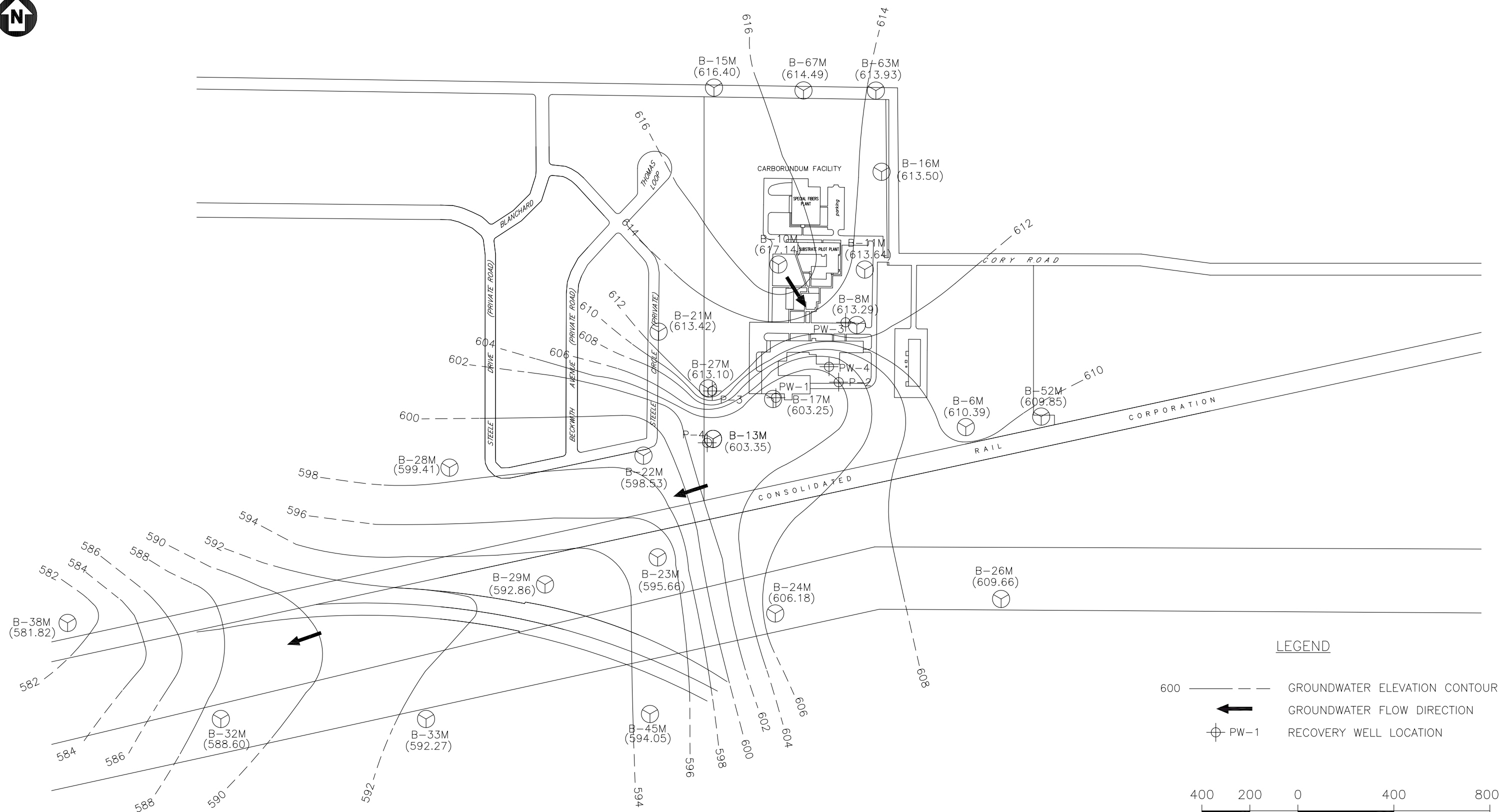


NOTE:

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

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK - APRIL 5, 2010



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.

TABLES

TABLE 1
MONTHLY GROUNDWATER ELEVATION DATA
April 5, 2010
THE FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Monitoring I.D.	Date	Top of Riser (ft)	Water Level (ft)	Groundwater (ft)	Remarks
P-2	04/05/10	619.67	18.62	601.05	
P-3	04/05/10	627.35	27.71	599.64	
P-4	04/05/10	624.45	26.85	597.60	
PW-1	04/05/10	619.78	23.16	596.62	
PW-3	04/05/10	618.28	12.35	605.93	
PW-4	04/05/10	620.84	8.53	612.31	
B-3M	04/05/10	625.59	17.34	608.25	
B-4M	04/05/10	622.24	26.85	595.39	
B-5M	04/05/10	620.83	7.70	613.13	
B-6M	04/05/10	615.69	5.30	610.39	
B-7M	04/05/10	616.22	5.50	610.72	
B-8M	04/05/10	618.57	5.28	613.29	
B-9M	04/05/10	623.03	7.23	615.80	
B-10M	04/05/10	626.05	8.91	617.14	
B-11M	04/05/10	622.81	9.17	613.64	
B-12M	04/05/10	622.17	12.43	609.74	
B-13M	04/05/10	626.70	23.35	603.35	
B-14M	04/05/10	618.25	4.90	613.35	
B-15M	04/05/10	623.98	7.58	616.40	
B-16M	04/05/10	626.08	12.58	613.50	
B-17M	04/05/10	622.07	18.82	603.25	
B-18M	04/05/10	618.69	6.66	612.03	
B-19M	04/05/10	626.01	17.32	608.69	
B-20M	04/05/10	615.32	6.22	609.10	
B-21M	04/05/10	622.56	9.14	613.42	
B-22M	04/05/10	622.29	23.76	598.53	
B-23M	04/05/10	617.71	22.05	595.66	
B-24M	04/05/10	617.24	11.06	606.18	
B-25M	04/05/10	619.31	10.68	608.63	
B-26M	04/05/10	618.06	8.40	609.66	
B-27M	04/05/10	626.04	12.94	613.10	
B-28M	04/05/10	622.62	23.21	599.41	
B-29M	04/05/10	618.31	25.45	592.86	
B-31M	04/05/10	613.78	6.70	607.08	
B-32M	04/05/10	619.35	30.75	588.60	
B-33M	04/05/10	612.43	20.16	592.27	
B-37M	04/05/10	616.90	17.11	599.79	
B-38M	04/05/10	609.81	27.99	581.82	
B-39M	04/05/10	626.12	12.60	613.52	
B-40M	04/05/10	626.23	13.37	612.86	
B-41M	04/05/10	626.31	15.13	611.18	
B-42M	04/05/10	623.76	10.46	613.30	
B-43M	04/05/10	623.64	12.44	611.20	
B-44M	04/05/10	623.29	14.56	608.73	
B-45M	04/05/10	612.12	18.07	594.05	
B-46M	04/05/10	613.46	20.21	593.25	
B-48M	04/05/10	625.40	12.46	612.94	
B-49M	04/05/10	625.56	22.45	603.11	
B-50M	04/05/10	616.47	6.55	609.92	
B-51M	04/05/10	616.48	3.21	613.27	
B-52M	04/05/10	616.26	6.41	609.85	
B-53M	04/05/10	616.14	6.33	609.81	
B-54M	04/05/10	616.00	6.13	609.87	
B-55M	04/05/10	615.59	21.50	594.09	
B-56M	04/05/10	617.78	22.76	595.02	
B-57M	04/05/10	617.80	23.45	594.35	
B-58M	04/05/10	617.99	20.20	597.79	
B-59M	04/05/10	625.53	22.71	602.82	
B-60M	04/05/10	625.67	12.35	613.32	
B-61M	04/05/10	625.72	11.73	613.99	
B-62M	04/05/10	623.89	1.82	622.07	
B-63M	04/05/10	624.14	10.21	613.93	
B-64M	04/05/10	623.95	10.34	613.61	
B-65M	04/05/10	624.19	11.45	612.74	
B-66M	04/05/10	625.37	11.66	613.71	
B-67M	04/05/10	625.51	11.02	614.49	

TABLE 2
MONITORING WELL GROUNDWATER PURGING DATA
APRIL 2010 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	Initial Water Level (ft)	Initial Groundwater Elevation (ft)	Measured Well Bottom (ft)	Water Column Hgt. (ft)	One Well Volume (gal)	Total Volume Purged (gal)	Purging Codes	Remarks
P-2	4/7/10	1:50	619.67	19.60						4	Pumping well
P-3	4/6/10	2:55	627.35	25.65						4	Pumping well
P-4	4/6/10	2:30	624.45	27.00						4	Pumping well
PW-1	4/7/10	1:35	619.78							4	Pumping well
PW-3	4/6/10	8:15	618.28							4	Pumping well
PW-4	4/7/10	2:20	618.28	5.30						1	Pumping well
B-6M	4/6/10	1:15	615.69	6.23	609.46	19.12	12.89	2.19	11	4	
B-8M	4/14/10	12:15	618.57	4.53	614.04	17.80	13.27	2.26	~1.75	6	
B-9M	4/6/10	8:20	623.03	7.07	615.96	27.15	20.08	3.41	18	4	
B-10M	4/14/10	14:00		8.09		27.91		3.38	~2	6	
B-13M	4/13/10	11:45	617.20	22.97	594.23	35.97	13.00	2.21	~3.75	6	
B-17M	4/12/10	11:00	622.07	18.27	603.80	26.02	7.75	1.32	~2.5	6	
B-19M	4/13/10	13:20	626.01	16.18	609.83	36.10	19.92	3.28	~3	6	
B-21M	4/7/10	8:25	622.56	9.14	613.42	26.57	17.43	2.90	15	4	
B-22M	4/19/10	11:15	617.71	23.68	594.03	35.94	12.26	2.08	~1.75	6	
B-23M	4/19/10	9:15	617.71	22.08	595.63	31.73	9.65	1.64	~3	6	
B-24M	4/6/10	11:10	617.20	11.09	606.11	26.65	15.56	2.64	13.5	4	
B-28M	4/7/10	9:20	622.62	23.55	599.07	34.33	10.78	1.83	9.1	4	
B-38M	4/7/10	11:45	609.81	27.94	581.87	47.11	19.17	3.25	15	4	
B-39M	4/15/10	11:25	626.12	11.45	614.67	44.10	32.65	5.55	~3	6	
B-40M	4/15/10	9:55	626.23	12.42	613.81	57.90	45.48	7.70	~2	6	
B-41M	4/15/10	8:18	626.31	14.40	611.91	72.61	58.21	9.90	~1.5	6	
B-42M	4/13/10	10:20	623.76	8.91	614.85	45.38	36.47		~3.5	6	
B-43M	4/13/10	8:40	623.64	11.39	612.25	58.88	47.49	8.07	~.8	6	
B-44M	4/12/00	13:15	623.29	13.13	610.16	84.45	71.32	12.12	~1	6	
B-48M	4/14/10	10:30	625.40	11.23	614.17	46.90	35.67	6.06	~2.5	6	
B-49M	4/14/10	8:25	625.56	21.64	603.92	82.45	60.81	10.30	~1.8	6	
B-56M	4/6/10	10:42	617.78	21.86	595.92	39.85	17.99	3.05	15.5	4	
B-57M	4/6/10	10:05	617.80	25.20	592.60	50.51	25.31	4.30	10	4	
Quarry Pond	4/7/10	11:15									

Purge Codes:

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

NS - Not Sampled
NA - Not Available

TABLE 3
MONITORING WELL GROUNDWATER SAMPLING DATA
APRIL 2010 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	4/7/10	2:15	619.67	6.94	1.10	53.1	0.00	Pumping well
P-3	4/6/10	3:20	627.35	7.33	1.54	51.7	6.94	Pumping well
P-4	4/6/10	2:50	624.45	7.10	1.08	52.9	4.58	Pumping well
PW-1	4/7/10	1:45	619.78	6.97	0.87	54.8	0.00	Pumping well
PW-3	4/6/10	8:45	618.28	7.07	1.37	46.6	1.56	Pumping well
PW-4	4/7/10	2:35	618.28	6.91	0.70	54.1	0.00	Pumping well
B-6M	4/6/10	2:05	615.69	7.08	1.29	50.0	58.1	
B-8M	4/14/10	13:35	618.57	7.66	1.93	10.0	132	
B-9M	4/6/10	9:15	623.03	7.41	0.34	43.4	51.2	
B-10M	4/14/10	15:00		7.40	1.62	10.6	23	
B-13M	4/13/10	13:05	618.69	7.60	1.75	11.3	1.35	
B-17M	4/12/10	13:00	626.01	7.87	1.85	11.4	2.31	
B-19M	4/13/10	14:45	617.71	6.72	1.59	11.9	2.8	
B-21M	4/7/10	8:55	618.31	6.53	1.19	54.9	0.00	
B-22M	4/19/10	12:40	619.35	5.71	1.44	12.3	2.5	
B-23M	4/19/10	10:25	609.81	6.12	1.35	10.9	37	
B-24M	4/6/10	11:40	626.12	7.18	0.83	48.1	52.1	
B-28M	4/7/10	9:40	622.62	6.74	1.12	53.3	16.2	
B-38M	4/7/10	12:10	609.81	6.76	1.54	53.7	1.12	
B-39M	4/15/10	13:10	626.12	6.86	1.25	11.0	1.5	
B-40M	4/15/10	11:10	626.23	8.7	2.62	11.3	1.0	
B-41M	4/15/10	9:40	626.31	7.89	1.20	10.4	2.6	
B-42M	4/13/10	11:20	623.76	6.72	0.837	11.6	1.36	
B-43M	4/13/10	9:55	623.64	7.12	1.73	12.3	2.1	
B-44M	4/12/00	15:20	623.29	8.88	3.20	12.0	2.77	
B-48M	4/14/10	11:30	625.40	7.96	1.10	11.0	43	
B-49M	4/14/10	10:15	625.56	9.14	3.37	11.0	1.8	
B-56M	4/6/10	11:00	617.78	7.42	0.91	50.1	32.5	
B-57M	4/6/10	12:00	617.80	7.16	2.19	52.9	214	
Quarry Pond	4/7/10	1:15		7.47	1.46	57.4	0.00	

**TABLE 4
MONITORING WELL GROUNDWATER RESULT SUMMARY
APRIL 2010 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK**

Well Id	Sample Date	Lab Sample ID	Carbon Tetrachloride ug/l	Chloroform ug/l	1,1- Dichloroethane ug/l	1,1- Dichloroethene ug/l	Methylene chloride ug/l	trans-1,2- Dichloroethene ug/l	cis-1,2- Dichloroethene ug/l	total-1,2- Dichloroethene ug/l	1,1,1- Trichloroethane ug/l	Trichloroethene ug/l	Vinyl chloride ug/l	Tetrachloroethene ug/l
P-2	4/7/2010	5948423	< 1	0.98 J	270	81	< 2	9.5	910	919.5	2200	2400	85	0.82 J
P-3	4/6/2010	5946898	< 1	< 0.8	< 1	< 0.8	< 2	2.5 J	90	92.5	< 0.8	< 1	2.3 J	< 0.8
P-4	4/6/2010	5946899	< 2	< 1.6	9.5 J	2.8 J	< 4	5.6 J	390	395.6	13	1600	6.4 J	< 1.6
PW-1	4/7/2010	5948422	< 1	< 0.8	11	3.4 J	< 2	3.6 J	370	373.6	7.2	1300	24	< 0.8
PW-3	4/6/2010	5946901	< 5	< 4	< 5	4.3 J	< 10	5.1 J	940	945.1	< 4	4300	40	< 4
PW-4	4/7/2010	5948424	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	3.1	< 0.8	26	< 1	< 0.8
B- 6M	4/6/2010	5946900	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	23	23	< 0.8	280	< 1	< 0.8
B- 8M	4/14/2010	5954138	< 100	< 80	< 100	< 80	< 200	< 80	2700	2700	< 80	84000	< 100	< 80
B- 9M	4/6/2010	5946904	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-10M	4/14/2010	5954139	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	3.9	2.4 J	31	< 1	< 0.8
B-13M	4/13/2010	5953086	< 1	< 0.8	4.2 J	2.6 J	< 2	5.8	360	365.8	2.3 J	340	19	< 0.8
B-17M	4/12/2010	5951990	< 10	< 8	260	65	< 20	39 J	7400	7439	93	7900	820	14 J
B-19M	4/13/2010	5953087	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2 J	2	< 0.8	< 1	< 1	< 0.8
B-21M	4/7/2010	5948416	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-22M	4/19/2010	5957668	< 1	< 0.8	< 1	< 0.8	< 2	3.8 J	110	113.8	< 0.8	30	< 1	< 0.8
B-23M	4/19/2010	5957669	< 1	< 0.8	1.7 J	0.91 J	< 2	1.3 J	280	281.3	< 0.8	22	28	< 0.8
B-24M	4/6/2010	5946905	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	2.7 J	< 1	< 0.8
B-28M	4/7/2010	5948415	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-38M	4/7/2010	5948418	< 1	< 0.8	< 1	< 0.8	< 2	0.93 J	41	41.93	< 0.8	19	< 1	< 0.8
B-39M	4/15/2010	5955535	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	1.7	< 0.8	5.1	< 1	< 0.8
B-40M	4/15/2010	5955536	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	3.9	< 0.8	2.7 J	< 1	< 0.8
B-41M	4/15/2010	5955537	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6	6	< 0.8	< 1	1.8 J	< 0.8
B-42M	4/13/2010	5953085	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	14	15.6	< 0.8	3.7 J	< 1	< 0.8
B-43M	4/13/2010	5953084	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.9	5.9	< 0.8	2.6 J	< 1	< 0.8
B-44M	4/12/2010	5951991	< 1	< 0.8	7	< 0.8	< 2	< 0.8	5.7	5.7	< 0.8	3.4 J	6	< 0.8
B-48M	4/14/2010	5954142	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	1.7 J	< 1	< 0.8
B-49M	4/14/2010	5954141	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-56M	4/6/2010	5946902	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	16	< 0.8	97	< 1	< 0.8
B-57M	4/6/2010	5946908	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
Quarry Pond	4/7/2010	5948421	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8

TABLE 5
NATURAL ATTENUATION ANALYTICAL RESULT SUMMARY
APRIL 2010 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Compound	UNITS	B- 8M	B-10M	B-13M	B-17M	B-19M	B-22M	B-23M	B-39M	B-40M	B-41M	B-42M	B-43M	B-44M	B-48M	B-49M
Biochemical Oxygen Demand	mg/l	< 2.8	< 4.4	< 1.8	< 2.7	< 2	< 5.3	< 2.4	< 2.4	< 3.6	< 2.7	< 2.3	< 2.8	8.2	< 1.9	22.8
Chemical Oxygen Demand	mg/l	38.1 J	29 J	< 12.8	24.4 J	< 12.8	15.3 J	< 12.8	15.3 J	15.3 J	17.6 J	< 12.8	< 12.8	26.7 J	< 12.8	76.9
Chloride	mg/l	392	270	76.8	305	69.6	85.7	79.3	78	46.1	69.8	104	59.1	51.4	74.6	55.6
Dissolved Organic Carbon	mg/l	2.3	1.3	1.6	2.7	1.6	1.6	1.7	2.1	1.5	1.3	1.8	1.5	1	1.6	0.76 J
Ethane	ug/l	49	< 1	< 1	13	< 1	< 1	< 1	1.3 J	< 1	< 1	< 1	< 1	19	< 1	24
Ethene	ug/l	13	< 1	< 1	38	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	11	< 1	< 1
Iron	mg/l	5.22	1.88	0.105 J	0.33	0.104 J	0.107 J	0.276	0.381	< 0.0522	0.166 J	< 0.0522	0.0553 J	0.171 J	< 0.0522	< 0.0522
Manganese	mg/l	0.252	0.0097	0.029	0.0739	0.0203	0.0145	0.0303	0.0181	0.0259	0.0152	0.0098	0.0275	0.0091	0.0138	0.0196
Methane	ug/l	1100	< 5	11 J	540	8.9 J	6.4 J	6.2 J	9.4 J	8.6 J	5.6 J	< 5	9 J	26	6.2 J	64
Nitrate Nitrogen	mg/l	< 0.25	0.65	0.3 J	< 0.25	< 0.25	< 0.25	< 0.25	1.2	0.35 J	< 0.25	0.88	< 0.25	< 0.25	1.3	< 0.25
Nitrite Nitrogen	mg/l	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4	< 0.4
Sulfate	mg/l	125	66.9	418	189	560	443	249	252	705	139	107	998	1680	132	1690

TABLE 6
SECOND QUARTER 2010
GROUNDWATER REMEDIATION SYSYTEM PERFORMANCE SUMMARY
Former Carborundum Facility
Wheatfield, New York

Remarks	Remarks	Remarks	Remarks	Remarks	Remarks
P-2					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	1.46	1.35	1.05	1.05
Total Flow	(gal)	63,142	60,283	45,532	45,532
VOC Concentration	(ppb)	3,405.	3,405.	3,405.	3,405.
Total Contaminant Removed	(lbs)	1.8	1.7	1.3	1.3
% of Total Flow		1.45%	1.35%	1.06%	1.06%
P-3					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	0.01	0.01	0.01	0.01
Total Flow	(gal)	513	289	311	311
VOC Concentration	(ppb)	94.8	94.8	94.8	94.8
Total Contaminant Removed	(lbs)	0.0	0.0	0.0	0.0
% of Total Flow		0.01%	0.01%	0.01%	0.01%
P-4					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	1.09	0.62	0.45	0.45
Total Flow	(gal)	47,223	27,639	19,396	19,396
VOC Concentration	(ppb)	2,002.	2,002.	2,002.	2,002.
Total Contaminant Removed	(lbs)	0.8	0.5	0.3	0.3
% of Total Flow		1.09%	0.62%	0.45%	0.45%
PW-1					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	31.9	29.4	25.4	25.4
Total Flow	(gal)	1,380,099	1,311,816	1,096,456	1,096,456
VOC Concentration	(ppb)	1,698.	1,698.	1,698.	1,698.
Total Contaminant Removed	(lbs)	19.6	18.6	15.5	15.5
% of Total Flow		31.76%	29.37%	25.50%	25.50%
PW-3					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	0.2	0.1	0.0	0.0
Total Flow	(gal)	8,297	4,482	1,887	1,887
VOC Concentration	(ppb)	5,285.	5,285.	5,285.	5,285.
Total Contaminant Removed	(lbs)	0.4	0.2	0.1	0.1
% of Total Flow		0.19%	0.10%	0.04%	0.04%
PW-4					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	65.9	68.6	72.6	72.6
Total Flow	(gal)	2,845,895	3,062,350	3,136,640	3,136,640
VOC Concentration	(ppb)	29.	29.	29.	29.
Total Contaminant Removed	(lbs)	0.7	0.7	0.8	0.8
% of Total Flow		65.50%	68.56%	72.94%	72.94%
GRS Total					
Uptime	(%)	100%	100%	100%	100%
Average Flow	(gpm)	90.1	90.0	89.5	89.5
Total Flow-Mechanical Effluent Meter	(gal)	3,891,850	4,017,037	3,867,773	3,867,773
VOCs to Influent	(ppm)	643	583	499	499
Total Contaminant Removed	(lbs)	23.2	21.7	18.0	18.0

Notes:

1. For the period of 4/01/10 to 6/30/10.
2. Uptime is estimated for each well.
3. Flow rates are estimated using the meter at the wellhead.
4. Total contaminant removed from each well is calculated using the flow through the meter at the wellhead.
5. GRS total contaminant removed is based on the percentage of flow through the SPDES meter.
6. VOC Concentration (in a given well) equals the sum of the compounds cis-1,2-DCE, trans-1,2-DCE, PCE, and TCE.
7. Total flow measured at the wellheads may differ from total flow at 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-6m Date: 4/6/10 Time Started: 1:15 Field Personnel: CDB CD Becken
 Weather Conditions: OVERCAST
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 19.12 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 6.23 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 12.89 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) X 0.17 = 2.19 Five Well Volumes (gals.) SV = 10.9

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>BV=</u>	<u>2</u>	<u>49.2</u>	<u>1.33</u>	<u>234</u>	
	<u>4</u>	<u>50.1</u>	<u>1.35</u>	<u>339</u>	
	<u>6</u>	<u>51.2</u>	<u>1.30</u>	<u>127</u>	
	<u>8</u>	<u>50.5</u>	<u>1.10</u>	<u>74.5</u>	
	<u>10</u>	<u>51.1</u>	<u>1.12</u>	<u>33.8</u>	

Comments: 11 gal. purged

Sampling Information

Date: 4/6/10 Time Sampled: 2:05 Field Personnel: CD Becken
 Measured Water Level (TOR ft.): 11.45
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-6</u>	<u>50.0</u>	<u>7.08</u>	<u>1.25</u>	<u>58.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken Sampler (signature): [Signature] Date: 4/6/10

BP, Sanborn, NY

Field Personnel: RCB

Time Ended: 1350

Initial Readings

Riser Pipe Diameter (in.) 2

One Well Volume (gal.) 2.26

Well Condition

Comments:

Sampling Information

Field Personnel: R C Becken

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.99	7.59	1.79	5.67	-235	4.55	400	~80 ml/min
10	11.51	7.64	1.89	5.55	-235	4.55	550	
15	10.79	7.72	1.97	5.12	-238	4.55	535	
20	10.29	7.72	1.98	5.00	-237	4.56	450	
25	10.17	7.70	1.96	5.01	-235	4.56	370	
30	9.89	7.68	1.93	5.02	-233	4.56	290	
35	9.94	7.68	1.93	5.10	-232	4.56	220	
40	9.91	7.67	1.93	5.05	-232	4.57	180	
45	9.99	7.67	1.93	5.09	-232	4.57	150	
50	9.97	7.66	1.93	5.06	-232	4.57	140	
50	9.90	7.67	1.93	5.11	-231	4.57	135	
55	10.02	7.66	1.93	5.03	-233	4.58	152	

Comments: Ferrous Iron: 3 mg/L Alkalinity as CaCO₃: 8500 mg/L

Date: 4/14/10

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

Monitoring Well I.D.: B-9-m Date: 4/6/10 Time Started: 9:20 Field Personnel: CD Becken

Weather Conditions: RAIN

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>27.15</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>7.07</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>20.08</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>3.41</u>	Five Well Volumes (gals.) <u>SV = 17.05</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>SV = 5</u>	<u>5</u>	<u>48.2</u>	<u>0.33</u>	<u>23.9</u>	
<u>10</u>	<u>10</u>	<u>45.3</u>	<u>0.30</u>	<u>21.5</u>	
<u>15</u>	<u>15</u>	<u>44.4</u>	<u>0.29</u>	<u>30.6</u>	
<u>17</u>	<u>17</u>	<u>44.0</u>	<u>0.34</u>	<u>43.3</u>	

Comments: 17.5 gal purged

Sampling Information

Date: 4/6/10 Time Sampled: 9:15 Field Personnel: CD Becken

Measured Water Level (TOR ft): 7.35

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

~~Teflon Bailor~~ Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-9m</u>	<u>43.4</u>	<u>7.41</u>	<u>0.34</u>	<u>51.2</u>	

QA/QC Samples Taken:

Comments: Field Dup #1

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): [Signature]

Date: 4/6/10

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

Monitoring Well I.D.: B-10 Date: 4/14/10 Time Started: 1400 Field Personnel: RCB

Weather Conditions: sunny warm Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 27.91 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 8.05 One Well Volume (gal.) 3.38

Notes:

Well Condition

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

Purge Information

Purging Method: Stainless Steel Bailor Peristaltic Pump Grundfos Pump Teflon Bailor
 Place an X in one box Polyethylene Bailor Bladder Pump X Other:
 Amount Purged: ~2 gal Flow Rate (mL per minute): ~140 mL/min
 Water Level after Purging (TOR ft.) 8.13

Comments:

Sampling Information

Date: 4/14/10 Time Sampled: 1500 Field Personnel: R C Becken

Measured Water Level (TOR ft) 8.13

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.01	7.52	1.67	5.88	-220	8.11	560	~140 mL/min
10	11.02	7.51	1.66	5.07	-221	8.11	550	
15	10.96	7.49	1.59	4.77	-220	8.11	200	
20	10.70	7.46	1.58	4.65	-219	8.11	80	
25	10.75	7.44	1.61	4.60	-218	8.11	45	
30	10.69	7.44	1.61	4.63	-217	8.11	31	
35	10.67	7.43	1.61	4.61	-216	8.12	30	
40	10.58	7.42	1.62	4.62	-216	8.12	26	
45	10.47	7.42	1.62	4.60	-216	8.12	27	
50	10.61	7.41	1.62	4.61	-215	8.13	24	
55	10.59	7.42	1.62	4.59	-214	8.13	25	
60	10.55	7.40	1.62	4.60	-212	8.13	23	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0.1 mg/L Alkalinity as CaCO₃ = 320 mg/L

Signature

Sampler (Print) Sampler (signature):

Richard C. Becken (Signature) Date: 4/14/10

BP, Sanborn, NY

Date: 4/13/10

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

Monitoring Well I.D.: B-17 Date: 4/12/10 Time Started: 11:00 Field Personnel: RCB

Weather Conditions: Sunny warm Time Ended: 1310

Comments:

Initial Readings

Measured Well Bottom (TOR-ft)	26.02	Riser Pipe Diameter (in.)	2
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Measured Water Level (TOR-ft) 78.27 One Well Volume (gal.) 1.32

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailor	Peristaltic Pump	Grundfos Pump	Teflon Bailor
Place an X in one box	Polyethylene Bailor	Bladder Pump	Other:	
Amount Purged: ~2.5	Flow Rate (mL per minute): 200 mL/min			
Water Level after Purging (TOR ft.) 16.44				

Comments:

Sampling Information

Date: 4/12/03	Time Sampled: 1300	Field Personnel: R C Becken
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Measured Water Level (TOR R)	18.44
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Sampling Method place an X in box	Stainless Steel Bailor	Peristaltic Pump	Grundfos Pump	Teflon Bailor
	Polyethylene Bailor	Bladder Pump	Other:	

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.99	8.19	3.07	6.60	-136	18.44	125.0	~ 200 ml/min
10	11.75	8.59	2.18	4.18	-179	18.44	38.2	
15	11.55	8.49	1.91	3.77	-198	18.44	24.2	
20	11.51	8.20	1.82	3.39	-199	18.44	7.62	
25	11.44	8.08	1.85	3.38	-197	18.44	6.16	
30	11.41	7.99	1.85	3.38	-196	18.44	4.95	
35	11.44	7.98	1.85	3.38	-196	18.44	3.57	
40	11.43	7.87	1.85	3.38	-195	18.44	2.85	
45	11.45	7.86	1.85	3.76	-195	18.44	2.36	
50	11.41	7.87	1.85	3.76	-196	18.44	2.51	
55	11.36	7.87	1.85	3.76	-194	18.44	3.12	
60	11.41	7.87	1.85	3.76	-194	18.44	2.31	

QA/QC Samples Taken:

Comments: Alkalinity as $\text{CaCO}_3 = 280 \text{ mg/L}$ Fluoride from s.a. 2 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken		Date: 4/12/10

LOW-FLOW SAMPLING FIELD FORM

O&M ENTERPRISES, Inc.

BP, Sanborn, NY

Monitoring Well I.D.: B-14 Date: 4/13/10 Time Started: 1320 Field Personnel: RCB

Weather Conditions: Sunny warm Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 4.1 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 16.18 One Well Volume (gal.) 3.28

Notes:

Well Condition

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

Purge Information

Purging Method: Stainless Steel Bailor Peristaltic Pump Grundfos Pump Teflon Bailor
 Place an X in one box Polyethylene Bailor Bladder Pump X Other:
 Amount Purged: ~3 gal Flow Rate (mL per minute): ~144 mL/min
 Water Level after Purging (TOR ft.) 16.34

Comments:

Sampling Information

Date: 4/13/10 Time Sampled: 1445 Field Personnel: RC Becken

Measured Water Level (TOR ft) 16.34

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

Time	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
Elapsed min.								
5	12.07	6.6	1.63	6.90	+25	16.31	15.3	~144 mL/min
10	11.91	6.6	1.61	6.34	+29	16.32	4.8	
15	11.83	6.63	1.60	5.88	+36	16.32	3.9	
20	11.8	6.69	1.59	5.53	+36	16.33	4.2	
25	11.87	6.71	1.59	5.35	+35	16.33	3.1	
30	11.85	6.72	1.59	5.30	+31	16.33	4.8	
35	11.88	6.73	1.59	5.29	+27	16.33	4.9	
40	11.87	6.73	1.59	5.26	+20	16.33	4.1	
45	11.86	6.72	1.59	5.25	+20	16.34	3.7	
50	11.88	6.71	1.59	5.29	+11	16.34	3.3	
55	11.82	6.73	1.59	5.24	+10	16.34	3.5	
60	11.95	6.73	1.59	5.23	+8	16.34	3.1	
65	11.93	6.72	1.59	5.21	+6	16.34	2.8	

QA/QC Samples Taken:

Comments: Alkalinity as CaCO₃ = 280 mg/L Ferrous Iron = 0.1 mg/L

Signature

Sampler (Print) Sampler (signature):

Richard C. Becken Richard C. Becken Date: 4/13/10

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

Monitoring Well I.D.: B-21 m Date: 4/7/10 Time Started: 8:25 Field Personnel: CDP CD Becken
 Weather Conditions: OVERCAST
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 26.57 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 9.14 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 17.43 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.9 Five Well Volumes (gals.) SV = 14.81

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>SV =</u>	<u>3</u>	<u>54.0</u>	<u>0.94</u>	<u>0.30</u>	
	<u>6</u>	<u>54.0</u>	<u>1.19</u>	<u>0.00</u>	
	<u>9</u>	<u>54.1</u>	<u>1.18</u>	<u>0.00</u>	
	<u>12</u>	<u>55.5</u>	<u>1.18</u>	<u>0.00</u>	
	<u>15</u>	<u>54.4</u>	<u>1.19</u>	<u>0.00</u>	

Comments: 15 gal. purged

Sampling Information

Date: 4/7/10 Time Sampled: 8:55 Field Personnel: CDP CD Becken
 Measured Water Level (TOR ft.): 9.74
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-21 m</u>	<u>54.9</u>	<u>6.53</u>	<u>1.19</u>	<u>0.60</u>	

QA/QC Samples Taken:

Comments: Field Dup #2

Signature

Sampler (Print): Chad D. Becken Sampler (signature): [Signature] Date: 4/7/10

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

Monitoring Well I.D.: R-22 Date: 4/19/10 Time Started: 1115 Field Personnel: RCB

Weather Conditions: clear sunny Time Ended: 1300

Comments:

Initial Readings

Measured Well Bottom (TOR-ft)	3596	Riser Pipe Diameter (in.)	2
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Measured Water Level (TOR-ft)	23.68	One Well Volume (gal.)	2.08
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Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailor	Peristaltic Pump	Grundfos Pump	Teflon Bailor
Place an X in one box	Polyethylene Bailor	Bladder Pump <input checked="" type="checkbox"/>	Other:	
Amount Purged:	~1.75 gal	Flow Rate (mL per minute):	~120 mL/min	
Water Level after Purging (TOR ft.)	23.65			

Comments:

Sampling Information

Date: 4/19/00	Time Sampled: 1240	Field Personnel: R C Becken
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Measured Water Level (TOR ft) 23.69

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	12.14	5.76	1.54	7.54	+49	23.67	27	~120 ml/min
10	12.06	5.71	1.53	6.86	+53	23.67	27 17	
15	12.05	5.71	1.48	6.92	+57	23.68	16	
20	12.07	5.72	1.44	7.08	+60	23.68	9.5	
25	12.23	5.72	1.44	6.89	+61	23.69	27 3.5	
30	12.36	5.74	1.44	6.79	+61	23.69	0.8	
35	12.15	5.70	1.44	6.65	+65	23.69	7.1	
40	12.23	5.71	1.44	6.62	+66	23.69	4.3	
45	12.31	5.71	1.44	6.59	+67	23.69	3.1	
50	12.25	5.71	1.44	6.58	+68	23.69	2.5	

QA/QC Samples Taken:

Comments: Alkalinity as $\text{CaCO}_3 = 320 \text{ mg/L}$ Ferrous Iron = 0 mg/L

Signature

Sampler (Print)

Sampler (signature):

Richard C. Becken

Date: 4/19/10

LOW-FLOW SAMPLING FIELD FORM

O&M ENTERPRISES, Inc.

BP, Sanborn, NY

Monitoring Well I.D.: 6-23 Date: 4/19/10 Time Started: 0715 Field Personnel: RCB

Weather Conditions: clear, sunny, cool Time Ended: 1035

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 31.75 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 22.08 One Well Volume (gal.) 1.64

Notes:

Well Condition

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

Purge Information

Purging Method: Stainless Steel Bailor Peristaltic Pump Grundfos Pump Teflon Bailor
 Place an X in one box Polyethylene Bailor Bladder Pump X Other:
 Amount Purged: ~3 gal Flow Rate (mL per minute): ~160 mL/min
 Water Level after Purging (TOR ft) 22.09

Comments:

Sampling Information

Date: 4/19/10 Time Sampled: 1025 Field Personnel: R C Becken

Measured Water Level (TOR ft) 22.07

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.35	5.74	1.42	5.80	-28	22.07	75	160 mL/min
10	12.35	6.0	1.35	4.05	-40	22.07	50	
15	10.78	6.13	1.36	3.79	-50	22.07	45	
20	10.80	6.14	1.36	3.81	-49	22.07	50	
25	10.79	6.14	1.35	3.73	-47	22.07	37	
30	10.82	6.14	1.35	3.69	-45	22.07	40	
35	10.84	6.13	1.35	3.67	-43	22.07	35	
40	10.90	6.12	1.35	3.72	-40	22.07	36	
45	10.86	6.12	1.35	3.72	-39	22.07	37	

QA/QC Samples Taken: Field Duplicate

Comments: Alkalinity as CaCO₃ 380 mg/L Ferrrous Irons 2 mg/L

Signature

Sampler (Print) Sampler (signature): Richard C. Becken Date: 4/19/10

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

Monitoring Well I.D.: B-24 m Date: 4/6/10 Time Started: 11:00 Field Personnel: CDB CD Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>36.65</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>11.09</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>15.56</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.64</u>	Five Well Volumes (gals.) <u>5V = 13.22</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailer Polyethylene Bailer Other: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5V =</u>	<u>2</u>	<u>50.0</u>	<u>1.04</u>	<u>10.34</u>	
	<u>4</u>	<u>49.3</u>	<u>1.05</u>	<u>4.57</u>	
	<u>6</u>	<u>49.2</u>	<u>1.06</u>	<u>1.52</u>	
	<u>8</u>	<u>49.4</u>	<u>1.07</u>	<u>0.61</u>	
	<u>10</u>	<u>49.3</u>	<u>1.08</u>	<u>0.23</u>	

Comments: 13.5 gal purged

Sampling Information

Date: 4/6/10 Time Sampled: 1140 Field Personnel: CD Becken

Measured Water Level (TOR ft): 11.16

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

Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-24 m</u>	<u>48.1</u>	<u>7.18</u>	<u>0.83</u>	<u>25.52.1</u>	

QA/QC Samples Taken:

Comments: MS MSD

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): [Signature]

Date: 4/6/10

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

Monitoring Well I.D.: B-28m Date: 4/7/10 Time Started: 9:20 Field Personnel: CD Becken CD Becken

Weather Conditions: OVERCAST

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>34.33</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>23.55</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>10.78</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.83</u>	Five Well Volumes (gals.) <u>SV = 9.1</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailer Polyethylene Bailer Other: peristaltic pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>SV =</u>	<u>2</u>	<u>55.3</u>	<u>0.88</u>	<u>192</u>	
	<u>4</u>	<u>53.9</u>	<u>0.98</u>	<u>86.5</u>	
	<u>6</u>	<u>53.4</u>	<u>1.04</u>	<u>0.00</u>	
	<u>8</u>	<u>53.3</u>	<u>1.06</u>	<u>0.00</u>	

Comments: 9.1 gal purged

Sampling Information

Date: 4/7/10 Time Sampled: 9:40 Field Personnel: CD Becken CD Becken

Measured Water Level (TOR ft.): 24.92

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

Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-28m</u>	<u>53.3</u>	<u>6.74</u>	<u>1.12</u>	<u>16.2</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): [Signature]

Date: 4/7/10

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

Monitoring Well I.D.: B-38m Date: 4/7/10 Time Started: 11:45 Field Personnel: CP CD Becken
 Weather Conditions: Over Cast

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 47.11 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 27.94 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 19.17 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.25 Five Well Volumes (gals.) SV = 16.29

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>SV =</u>	<u>3</u>	<u>54.0</u>	<u>1.36</u>	<u>0.00</u>	
	<u>6</u>	<u>53.2</u>	<u>1.32</u>	<u>0.00</u>	
	<u>9</u>	<u>52.9</u>	<u>1.32</u>	<u>0.00</u>	
	<u>12</u>	<u>52.3</u>	<u>1.29</u>	<u>0.00</u>	
	<u>15</u>	<u>52.4</u>	<u>1.25</u>	<u>0.00</u>	

Comments:

15 gallons purged

Sampling Information

Date: 4/7/10 Time Sampled: 12:10 Field Personnel: CD Becken

Measured Water Level (TOR ft.): 27.90

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-38m</u>	<u>53.7</u>	<u>6.76</u>	<u>1.54</u>	<u>1.12</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): [Signature]

Date: 4/7/10

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

Monitoring Well I.D.: B-37 Date: 4/15/10 Time Started: 1125 Field Personnel: RCB

Weather Conditions: Sunny warm

Time Ended: 1325

Comments:

Initial Readings

Measured Well Bottom (TOR-ft)	44.1	Riser Pipe Diameter (in.)	2
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Measured Water Level (TOR-ft) 11.45 One Well Volume (gal.) 5.55

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailor	Peristaltic Pump	Grundfos Pump	Teflon Bailor
Place an X in one box	Polyethylene Bailor	Bladder Pump <input checked="" type="checkbox"/>	Other:	
Amount Purged: ~ 3 can	Flow Rate (mL per minute): ~ 220 mL/min			
Water Level after Purging (TOR ft.)	11.45			

Comments:

Sampling Information

Date: 4/15/10	Time Sampled: 1310	Field Personnel: R C Becken
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Measured Water Level (TOR ft)	11.45
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Sampling Method place an X in box	Stainless Steel Bailor	Peristaltic Pump	Grundfos Pump	Teflon Bailor
	Polyethylene Bailor	Bladder Pump <input checked="" type="checkbox"/>	Other:	

[illegible]

QA/QC Samples Taken:

Comments: $\text{AlK} \alpha$ intensity as $\text{CaCN}_2 = 260 \text{ mg/L}$ Ferrrous Iron = 0 mg/L

Signature

Sampler (Print)

Sampler (signature):

Richard C. Becken

Date: 4/15/10

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

Monitoring Well I.D.: 6-43 Date: 4/13/10 Time Started: 0840 Field Personnel: RCB

Weather Conditions: Sunny nice Time Ended: 1020

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 58.85 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 11.39 One Well Volume (gal.) 8.07

Notes:

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

Purge Information				
Purging Method:	Stainless Steel Bailor	Peristaltic Pump	Grundfos Pump	Teflon Bailor
Place an X in one box	Polyethylene Bailor	Bladder Pump <input checked="" type="checkbox"/>	Other:	
Amount Purged:	~.8 gal	Flow Rate (mL per minute: ~70 mL/min		
Water Level after Purging (TOR ft.) 11.94				

Comments:

Sampling Information

Date: 4/13/10 Time Sampled: 0955 Field Personnel: R C Becken

Measured Water Level (TOR ft) 11.94

Sampling Method		Stainless Steel Bailor		Peristaltic Pump		Grundfos Pump		Teflon Bailor	
Place an X in box		<u>Polyethylene Bailor</u>		<u>Bladder Pump</u> <u>X</u>		Other:			
Time	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate	
Elapsed min.									
<u>5</u>	<u>11.70</u>	<u>7.11</u>	<u>1.75</u>	<u>8.15</u>	<u>+61</u>	<u>11.78</u>	<u>10.6</u>	<u>110 mL/min</u>	
<u>10</u>	<u>11.94</u>	<u>7.15</u>	<u>1.73</u>	<u>7.66</u>	<u>+65</u>	<u>11.92</u>	<u>2.86</u>	<u>~70 mL/min</u>	
<u>15</u>	<u>12.07</u>	<u>7.14</u>	<u>1.73</u>	<u>7.47</u>	<u>+72</u>	<u>11.92</u>	<u>2.61</u>	<u>~70 mL/min</u>	
<u>20</u>	<u>12.10</u>	<u>7.13</u>	<u>1.73</u>	<u>7.35</u>	<u>+77</u>	<u>11.92</u>	<u>2.58</u>		
<u>25</u>	<u>12.12</u>	<u>7.12</u>	<u>1.73</u>	<u>7.27</u>	<u>+81</u>	<u>11.92</u>	<u>2.64</u>		
<u>30</u>	<u>12.15</u>	<u>7.12</u>	<u>1.73</u>	<u>7.22</u>	<u>+86</u>	<u>11.92</u>	<u>2.26</u>		
<u>35</u>	<u>12.21</u>	<u>7.12</u>	<u>1.73</u>	<u>7.20</u>	<u>+89</u>	<u>11.93</u>	<u>2.10</u>		
<u>40</u>	<u>12.24</u>	<u>7.12</u>	<u>1.73</u>	<u>7.16</u>	<u>+93</u>	<u>11.93</u>	<u>2.03</u>		
<u>45</u>	<u>12.28</u>	<u>7.12</u>	<u>1.73</u>	<u>7.14</u>	<u>+94</u>	<u>11.94</u>	<u>2.02</u>		
<u>50</u>	<u>12.29</u>	<u>7.12</u>	<u>1.73</u>	<u>7.12</u>	<u>+95</u>	<u>11.94</u>	<u>2.1</u>		

QA/QC Samples Taken:

Comments: Alkalinity as CaCO₃ = 220 mg/L Ferric Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	Date: <u>4/13/10</u>
Richard C. Becken	<u>Richard C Becken</u>	

BP, Sanborn, NY

Date: 4/14/10

BP, Sanborn, NY

Date: 4/14/13

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

Monitoring Well I.D.: B-56m Date: 4/6/10 Time Started: 10:42 Field Personnel: CD Becken
 Weather Conditions: OVERCAST
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 39.85 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 21.86 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 17.99 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.05 Five Well Volumes (gals.) SV = 15.29

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
	3	50.4	2.12	164	
	6	50.4	1.09	87.9	
	9	50.5	0.92	5.96	
	12	50.6	0.88	2.54	
	15	50.6	0.88	2.13	

Comments: 15.5 gal purged

Sampling Information

Date: 4/6/10 Time Sampled: 1100 Field Personnel: CDB CD Becken
 Measured Water Level (TOR ft): 21.72
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-56m</u>	<u>50.1</u>	<u>7.42</u>	<u>0.91</u>	<u>32.5</u>	

QA/QC Samples Taken:

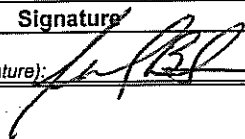
Comments:

Signature

Sampler (Print):

Chad D. Becken

Sampler (signature):



Date: 4/6/10

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

Monitoring Well I.D.: B-57 m Date: 4/6/10 Time Started: 10:05 Field Personnel: CD Becken
 Weather Conditions: Overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 50.51 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 25.20 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 25.31 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 4.30 Five Well Volumes (gals.) 21.51

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>SVF</u>	<u>5</u>	<u>50.1</u>	<u>2.07</u>	<u>12.9</u>	
	<u>10</u>	<u>50.6</u>	<u>2.29</u>	<u>35.7</u>	<u>Dry</u>
	<u>15</u>				
	<u>20</u>				

Comments: 10 gal purged

Sampling Information

Date: 4/6/10 Time Sampled: 12:00 Field Personnel: CD Becken
 Measured Water Level (TOR ft.): 30.55
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-57 m</u>	<u>52.9</u>	<u>7.16</u>	<u>2.19</u>	<u>214</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken Sampler (signature): [Signature] Date: 4/6/10

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

Monitoring Well I.D.: P-2 Date: 4/7/10 Time Started: 1:50 Field Personnel: CD Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft) <u>19.60</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	<u>8" = 2.60</u>
One Well Volume (gals.)	Five Well Volumes (gals.)	<u>8V^r</u>		

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8V^r</u>					

Comments:

Sampling Information

Date: 4/7/10 Time Sampled: 2:15 Field Personnel: CD Becken

Measured Water Level (TOR ft.): 19.60

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

Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-2</u>	<u>53.1</u>	<u>6.94</u>	<u>1.10</u>	<u>0.00</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): 

Date: 4/7/10

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

Monitoring Well I.D.: P-3 Date: 4/6/10 Time Started: 2:55 Field Personnel: CDB CD Becken
 Weather Conditions: Rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	<u>2 in.</u>		
Measured Water Level (TOR - ft) <u>25.65</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	<u>8" = 2.60</u>
One Well Volume (gals.)	Five Well Volumes (gals.)	<u>5V</u>		

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6V</u>					

Comments:

Sampling Information

Date: 4/6/10 Time Sampled: 3:20 Field Personnel: CDB CD Becken

Measured Water Level (TOR ft.): 25.65

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

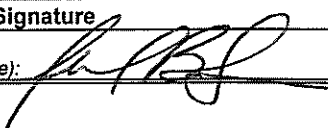
Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-3</u>	<u>51.7</u>	<u>7.33</u>	<u>1.54</u>	<u>6.94</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): 

Date: 4/6/10

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

Monitoring Well I.D.: P-4 Date: 4/6/10 Time Started: 2:30 Field Personnel: CD Becken
 Weather Conditions: overcast Light Rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) _____ Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 27.60 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) _____ (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) _____ Five Well Volumes (gals.) 51.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>51.5</u>					

Comments:

Sampling Information

Date: 4/6/10 Time Sampled: 2:50 Field Personnel: CD Becken
 Measured Water Level (TOR ft.): 27.60

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-4</u>	<u>52.9</u>	<u>7.10</u>	<u>1.08</u>	<u>4.58</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken Sampler (signature): [Signature] Date: 4/6/10

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

Monitoring Well I.D.: PW-1 Date: 4/7/10 Time Started: 1:35 Field Personnel: CD Becken
 Weather Conditions: overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) FiveWell Volumes (gals.) 6V²
 Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5V²</u>					

Comments:

Sampling Information

Date: 4/7/10 Time Sampled: 1:45 Field Personnel: CD Becken
 Measured Water Level (TOR ft.): 23.55
 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
<u>PW-1</u>	<u>54.8</u>	<u>6.47</u>	<u>6.87</u>	<u>0.00</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken Sampler (signature): [Signature] Date: 4/7/10

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

Monitoring Well I.D.: PW-3 Date: 4/6/10 Time Started: 8:15 Field Personnel: CD Becken
 Weather Conditions: OVERCAST
 Comments:

Initial Readings

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

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg.C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>SV =</u>					

Comments:

Sampling Information

Date: 4/6/10 Time Sampled: 8:46 Field Personnel: CD Becken
 Measured Water Level (TOR ft): 13.53

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

Sample I.D.	Temperature (deg.C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-3</u>	<u>46.6</u>	<u>7.07</u>	<u>1.37</u>	<u>1.54</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken Sampler (signature): [Signature] Date: 4/6/10

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

Monitoring Well I.D.: PW-4 Date: 4/7/10 Time Started: 2:20 Field Personnel: CD Becken CD Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft) <u>5.30</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	<u>8" = 2.60</u>
One Well Volume (gals.) <u>X</u>	Five Well Volumes (gals.) <u>SV</u>			

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other:

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

Comments:

Sampling Information

Date: 4/7/10 Time Sampled: 2:35 Field Personnel: CD Becken

Measured Water Level (TOR ft.): 5.30

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

Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-4</u>	<u>54.1</u>	<u>6.91</u>	<u>0.170</u>	<u>0.00</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): [Signature]

Date: 4/7/10

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

Monitoring Well I.D.: Quarry Date: 4/7/10 Time Started: 1115 Field Personnel: CD Becken
 Weather Conditions: overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	<u>235</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Five Well Volumes (gals.)			

Notes:

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/7/10 Time Sampled: 1115 Field Personnel: CD Becken

Measured Water Level (TOR ft.):

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

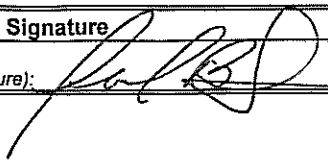
Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>Quarry</u>	<u>57.4</u>	<u>7.47</u>	<u>1.46</u>	<u>0.00</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Chad D. Becken

Sampler (signature): 

Date: 4/7/10

APPENDIX B
LABORATORY DATA REPORTS



ANALYTICAL RESULTS

Prepared for:

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

281-366-2000

Prepared by:

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

April 09, 2010

Project: BP Sanborn

Samples arrived at the laboratory on Wednesday, April 07, 2010. The PO# for this group is 0001W-0038 and the release number is BARBER. The group number for this submittal is 1189217.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
P-3 Water	5946898
P-4 Water	5946899
B-6 Water	5946900
PW-3 Water	5946901
B-56 Water	5946902
Field Dup# Water	5946903
B-9 Water	5946904
B-24 Water	5946905
B-24 Matrix Spike Water	5946906
B-24 Matrix Spike Dup Water	5946907
B-57 Water	5946908

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

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber



Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Christine Dulaney".

Christine Dulaney
Senior Specialist



Sample Description: P-3 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY P-3

LLI Sample # WW 5946898
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 15:20 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPSP3

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	90	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	2.5 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	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	2.3 J	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: P-3 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY P-3

LLI Sample # WW 5946898
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 15:20 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd
Houston TX 77079

BPSP3

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	N100981AA	04/08/2010 05:48	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 05:48	Holly Berry	1



Sample Description: P-4 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY P-4

LLI Sample # WW 5946899
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 14:50 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPSP4

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	9.5 J	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	2.8 J	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	390	1.6	10	2
10903	trans-1,2-Dichloroethene	156-60-5	5.6 J	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	N.D.	1.6	10	2
10903	1,1,1-Trichloroethane	71-55-6	13	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10	2
10903	Trichloroethene	79-01-6	1,600	20	100	20
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	6.4 J	2.0	10	2

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: P-4 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY P-4

LLI Sample # WW 5946899
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 14:50 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
Reported: 04/09/2010 at 13:22
Discard: 05/10/2010

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

BPSP4

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	N100981AA	04/08/2010 06:12	Holly Berry	2
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N100981AA	04/08/2010 06:35	Holly Berry	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 06:12	Holly Berry	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N100981AA	04/08/2010 06:35	Holly Berry	20



Sample Description: B-6 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY B-6

LLI Sample # WW 5946900
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 14:05 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPSB6

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	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	280	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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-6 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-6

LLI Sample # WW 5946900
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 14:05 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd
Houston TX 77079

BPSB6

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	N100981AA	04/08/2010 06:59	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 06:59	Holly Berry	1



Sample Description: PW-3 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY PW-3

LLI Sample # WW 5946901
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 08:45 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd
 Houston TX 77079

SPW3-

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	N.D.	5.0	25	5
10903	1,2-Dichloroethane	107-06-2	N.D.	5.0	25	5
10903	1,1-Dichloroethene	75-35-4	4.3 J	4.0	25	5
10903	cis-1,2-Dichloroethene	156-59-2	940	4.0	25	5
10903	trans-1,2-Dichloroethene	156-60-5	5.1 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	N.D.	4.0	25	5
10903	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10903	Trichloroethene	79-01-6	4,300	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	40	5.0	25	5

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: PW-3 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY PW-3

LLI Sample # WW 5946901
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 08:45 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd

Houston TX 77079

SPW3-

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	N100981AA	04/08/2010 07:45	Holly Berry	5
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N100981AA	04/08/2010 08:08	Holly Berry	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 07:45	Holly Berry	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N100981AA	04/08/2010 08:08	Holly Berry	50



Sample Description: B-56 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY B-56

LLI Sample # WW 5946902
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:00 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPS56

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	97	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropene	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-56 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-56

LLI Sample # WW 5946902
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:00 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
Reported: 04/09/2010 at 13:22
Discard: 05/10/2010

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

BPS56

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	N100981AA	04/08/2010 04:38	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 04:38	Holly Berry	1



Sample Description: Field Dup# Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY Field Dup#

LLI Sample # WW 5946903
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPSFD

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: Field Dup# Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY Field Dup#

LLI Sample # WW 5946903
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPSFD

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	N100981AA	04/08/2010 05:02	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 05:02	Holly Berry	1



Sample Description: B-9 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 5946904
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 09:15 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Reported: 04/09/2010 at 13:22

Discard: 05/10/2010

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

BPSB9

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-9 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 5946904
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 09:15 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
Reported: 04/09/2010 at 13:22
Discard: 05/10/2010

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

BPSB9

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	N100981AA	04/08/2010 05:25	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 05:25	Holly Berry	1



Sample Description: B-24 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY B-24

LLI Sample # WW 5946905
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:40 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPS24

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	2.7 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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-24 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-24

LLI Sample # WW 5946905
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:40 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd
Houston TX 77079

BPS24

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	N100981AA	04/08/2010 03:05	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 03:05	Holly Berry	1



Sample Description: B-24 Matrix Spike Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY B-24

LLI Sample # WW 5946906
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:40 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPS24

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	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	16	1.0	5.0	1
10903	Bromomethane	74-83-9	21	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	15	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	21	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	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	20	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	21	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	21	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	21	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	21	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	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	20	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	21	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	21	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	25	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	24	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-24 Matrix Spike Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-24

LLI Sample # WW 5946906
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:40 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
Reported: 04/09/2010 at 13:22
Discard: 05/10/2010

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

BPS24

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	N100981AA	04/08/2010 03:28	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 03:28	Holly Berry	1



Sample Description: B-24 Matrix Spike Dup Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-24

LLI Sample # WW 5946907
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:40 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
Reported: 04/09/2010 at 13:22
Discard: 05/10/2010

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

BPS24

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	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	22	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	19	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	16	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	22	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	22	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	22	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	20	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	21	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	22	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	22	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	20	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	20	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	22	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	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	25	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	24	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-24 Matrix Spike Dup Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-24

LLI Sample # WW 5946907
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 11:40 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd

Houston TX 77079

BPS24

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	N100981AA	04/08/2010 03:52	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 03:52	Holly Berry	1



Sample Description: B-57 Water
 BP Sanborn COC: 192538
 2040 Cory Dr - Sanborn, NY B-57

LLI Sample # WW 5946908
 LLI Group # 1189217
 NY

Project Name: BP Sanborn

Collected: 04/06/2010 12:00 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05
 Reported: 04/09/2010 at 13:22
 Discard: 05/10/2010

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

BPS57

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Sample Description: B-57 Water
BP Sanborn COC: 192538
2040 Cory Dr - Sanborn, NY B-57

LLI Sample # WW 5946908
LLI Group # 1189217
NY

Project Name: BP Sanborn

Collected: 04/06/2010 12:00 by CDB

Account Number: 12495

Submitted: 04/07/2010 09:05

Atlantic Richfield(Parsons-NY)

Reported: 04/09/2010 at 13:22

BP Corporation

Discard: 05/10/2010

501 WestLake Park Blvd
Houston TX 77079

BPS57

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	N100981AA	04/08/2010 04:15	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N100981AA	04/08/2010 04:15	Holly Berry	1



Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/09/10 at 01:22 PM

Group Number: 1189217

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.

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: N100981AA	Sample number(s): 5946898-5946908								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	76		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	104		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	83		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	96		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	100		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	102		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	91		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	77		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	102		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	92		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	101		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		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	100		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	87		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	100		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	104		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	100		74-123		
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	102		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	102		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	97		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	103		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	99		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	109		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	101		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	113		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	108		59-120		

Sample Matrix Quality Control

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

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: 1189217

Reported: 04/09/10 at 01:22 PM

Analysis Name	%REC	%REC	Limits	RPD	MAX	Conc	Conc	RPD	Max
Batch number: N100981AA Sample number(s): 5946898-5946908 UNSPK: 5946905									
Benzyl Chloride	74	77	62-120	5	30				
Bromobenzene	100	105	82-115	5	30				
Bromodichloromethane	105	109	78-125	4	30				
Bromoform	82	86	60-121	5	30				
Bromomethane	106	102	38-149	4	30				
Carbon Tetrachloride	108	111	81-138	3	30				
Chlorobenzene	107	111	87-124	4	30				
Chloroethane	101	96	51-145	4	30				
2-Chloroethyl Vinyl Ether	77	81	10-151	6	30				
Chloroform	105	108	81-134	3	30				
Chloromethane	101	101	67-154	0	30				
Dibromochloromethane	103	108	74-116	5	30				
Dibromomethane	106	108	83-119	2	30				
1,2-Dichlorobenzene	103	106	84-119	3	30				
1,3-Dichlorobenzene	103	108	86-121	4	30				
1,4-Dichlorobenzene	101	107	85-121	5	30				
Dichlorodifluoromethane	99	100	64-163	1	30				
1,1-Dichloroethane	104	107	84-129	3	30				
1,2-Dichloroethane	105	109	66-141	4	30				
1,1-Dichloroethene	106	109	85-142	3	30				
cis-1,2-Dichloroethene	106	112	85-125	5	30				
trans-1,2-Dichloroethene	104	108	87-126	4	30				
1,2-Dichloropropane	105	109	83-124	3	30				
cis-1,3-Dichloropropene	95	100	75-125	6	30				
trans-1,3-Dichloropropene	100	102	74-119	2	30				
Methylene Chloride	103	107	79-120	3	30				
1,1,1,2-Tetrachloroethane	98	102	82-119	4	30				
1,1,2,2-Tetrachloroethane	99	102	73-119	3	30				
Tetrachloroethene	107	111	80-128	4	30				
1,1,1-Trichloroethane	106	111	80-143	5	30				
1,1,2-Trichloroethane	108	113	77-124	5	30				
Trichloroethene	108	112	88-133	4	30				
Trichlorofluoromethane	126	124	73-152	1	30				
1,2,3-Trichloropropane	100	102	76-118	2	30				
Vinyl Chloride	120	121	66-133	0	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N100981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5946898	101	101	99	88
5946899	102	102	100	87
5946900	104	105	102	88
5946901	102	103	101	89
5946902	102	101	99	89
5946903	102	100	99	90
5946904	102	101	100	89
5946905	99	98	99	90

*- Outside of specification

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

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

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



Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
 Reported: 04/09/10 at 01:22 PM

Group Number: 1189217

Surrogate Quality Control

5946906	99	99	103	100
5946907	99	99	104	99
5946908	99	101	100	89
Blank	100	100	99	89
LCS	99	103	101	99
MS	99	99	103	100
MSD	99	99	104	99
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1189217

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.

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:

10903: 8260 Std. Water Master

Sample #s: 5946898, 5946899, 5946900, 5946901, 5946902, 5946903, 5946904, 5946905, 5946906, 5946907, 5946908

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

Lab Name: <u>Lahcastor Labs</u>			BPI/ARC Facility Address: <u>2040 Long Dr.</u>			Consultant/Contractor: <u>Parsons</u>		
Lab Address: <u>2425 New Holland Pike, Lahcastor, Pa 17602</u>			City, State, ZIP Code: <u>Scranton, NY 14132</u>			Consultant/Contractor Project No: <u></u>		
Lab P/N: <u>Jessica Oknefski</u>			Lead Regulatory Agency: <u>NYSDDEC</u>			Address: <u>406a River Dr. Suite 350, Buffalo, NY 14202</u>		
Lab Phone: <u>717 656-2300 x 815</u>			California Global ID No: <u></u>			Consultant/Contractor P/N: <u>George Hernandez</u>		
Lab Shipping Acct: <u></u>			Enfos Proposal No: <u>0001W-0038</u>			Phone: <u>(716) 409-4990</u>		
Lab Bottle Order No: <u>88100</u>			Accounting Mode: <u>Provision</u>			Email EDD To: <u></u>		
Other Info: <u></u>			Stage: <u>50</u>			Activity: <u>21</u>		
BPI/ARC EBM: <u>William Baker</u>			Matrix: <u></u>			Requested Analyses: <u></u>		
EBM Phone: <u>(216) 271-8038</u>			No. Containers / Preservative: <u></u>			Report Type & QC Level: <u></u>		
EBM Email: <u></u>			Unpreserved: <u></u>			Standard: <u></u>		
			H ₂ SO ₄ : <u></u>			Full Data Package: <u></u>		
			HNO ₃ : <u></u>			Comments: Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.		
			HCl: <u></u>					
			Methanol: <u></u>					
Lab No. <u></u>			Soil / Solid: <u></u>					
Sample Description: <u></u>			Water / Liquid: <u></u>					
Date: <u></u>			Air / Vapor: <u></u>					
Time: <u></u>			Total Number of Containers: <u></u>					
			Unpreserved: <u></u>					
			H ₂ SO ₄ : <u></u>					
			HNO ₃ : <u></u>					
			HCl: <u></u>					
			Methanol: <u></u>					
			8260					
P-3			4/6/10			1520		
P-4			4/6/10			1450		
B-6			4/6/10			1405		
P-3			4/6/10			0845		
B-56			4/6/10			1100		
Field Dup*			4/6/10			0915		
B-9			4/6/10			1140		
B-24			4/6/10			1140		
B-24 MS			4/6/10			1140		
B-24 MSD			4/6/10			1140		
Sampler's Name: <u>Chad D. Baker</u>			Relinquished By / Affiliation: <u></u>			Date: <u></u>		
Sampler's Company: <u>Orin Enterprises, Inc.</u>			Date: <u>4/6/10</u>			Time: <u>1840</u>		
Shipment Method: <u>Fed Ex</u>			Ship Date: <u>4/6/10</u>			Accepted By / Affiliation: <u></u>		
Shipment Tracking No: <u>870059280172</u>			Date: <u>4/7/10</u>			Time: <u>905</u>		
Special Instructions: <u></u>			Temp Blank (Yes) No: <u>Yes</u>			MS/MSD Sample Submitted (Yes) No: <u>Yes</u>		

Page 2 of 2
 STAT: Yes No

Rush TAT: Yes No

BP/ARC LAMP COC Rev. 6 01/01/2005



Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 4/7/10

Custody Seal Present * : YES NO

Time of Receipt: 905

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

Source Code: 501

Unpacker Emp. No.: 2316

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	9479	3.0°C	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Mary Baskin</u>	<u>4/7/10</u>	<u>1310</u>	Unpacking to storage
<u>Kristin Anglin</u>	<u>4-7-10</u>	<u>1335</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

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

April 25, 2010

Project: BP Sanborn


Submittal Date: 04/16/2010
Group Number: 1190623
PO Number: 0001W-0038
Release Number: BARBER
State of Sample Origin: NYClient Sample DescriptionB-39 Water
B-40 Water
B-41 WaterLancaster Labs (LLI) #5955535
5955536
5955537

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

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TOAttn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,



Max E. Snavelly
Senior Specialist

Sample Description: B-39 Water
BP Sanborn COC: 192404
2040 Cory Dr - Sanborn, NY B-39

LLI Sample # WW 5955535
LLI Group # 1190623
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2010 13:10 by RB

Atlantic Richfield(Parsons-NY)

Submitted: 04/16/2010 09:00

BP Corporation

Reported: 04/25/2010 15:27

501 WestLake Park Blvd

Discard: 05/26/2010

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	1.7 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	5.1	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
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.103 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0062	0.00084	0.0050	1

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

Sample Description: B-39 Water
BP Sanborn COC: 192404
2040 Cory Dr - Sanborn, NY B-39

LLI Sample # WW 5955535
LLI Group # 1190623
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2010 13:10 by RB

Atlantic Richfield(Parsons-NY)

Submitted: 04/16/2010 09:00

BP Corporation

Reported: 04/25/2010 15:27

501 WestLake Park Blvd

Discard: 05/26/2010

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
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	84.9	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	1.3	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	96.2	6.0	20.0	20
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	2.5	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	16.5 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.8	1.8	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.

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	N101091AA	04/19/2010 19:17	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101091AA	04/19/2010 19:17	Chelsea B Eastep	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101100011A	04/20/2010 22:18	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101061848003	04/20/2010 02:07	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	101061848003	04/20/2010 02:07	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101061848003	04/16/2010 18:30	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10106196602A	04/21/2010 04:34	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10106196602A	04/17/2010 02:30	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10106196602A	04/17/2010 02:30	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10106196602A	04/17/2010 14:29	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 01:09	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10107023501A	04/17/2010 07:43	Hannah M Royer	1

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

Sample Description: B-40 Water
BP Sanborn COC: 192404
2040 Cory Dr - Sanborn, NY B-40

LLI Sample # WW 5955536
LLI Group # 1190623
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2010 11:10 by RB

Atlantic Richfield(Parsons-NY)

Submitted: 04/16/2010 09:00

BP Corporation

Reported: 04/25/2010 15:27

501 WestLake Park Blvd

Discard: 05/26/2010

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	3.9 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	2.7 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
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.					

GC Miscellaneous	RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals	SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	N.D.	0.0522	0.200
07058	Manganese	7439-96-5	0.0301	0.00084	0.0050

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

Sample Description: B-40 Water
BP Sanborn COC: 192404
2040 Cory Dr - Sanborn, NY B-40

LLI Sample # WW 5955536
LLI Group # 1190623
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2010 11:10 by RB

Atlantic Richfield(Parsons-NY)

Submitted: 04/16/2010 09:00

BP Corporation

Reported: 04/25/2010 15:27

501 WestLake Park Blvd

Discard: 05/26/2010

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
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	53.1	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	576	15.0	50.0	50
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.9	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	16.5 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.6	2.6	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.

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	N101091AA	04/19/2010 19:40	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101091AA	04/19/2010 19:40	Chelsea B Eastep	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101100011A	04/20/2010 22:31	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101061848003	04/20/2010 02:10	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	101061848003	04/20/2010 02:10	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101061848003	04/16/2010 18:30	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10106196602A	04/17/2010 15:25	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10106196602A	04/17/2010 03:25	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10106196602A	04/17/2010 03:25	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10106196602A	04/17/2010 15:25	Ashley M Adams	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 01:16	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10107023501A	04/17/2010 07:43	Hannah M Royer	1

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

Sample Description: B-41 Water
BP Sanborn COC: 192404
2040 Cory Dr - Sanborn, NY B-41

LLI Sample # WW 5955537
LLI Group # 1190623
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2010 09:40 by RB

Atlantic Richfield(Parsons-NY)

Submitted: 04/16/2010 09:00

BP Corporation

Reported: 04/25/2010 15:27

501 WestLake Park Blvd

Discard: 05/26/2010

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	6.0	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	1.8 J	1.0	5.0	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous	RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals	SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.385	0.0522	0.200
07058	Manganese	7439-96-5	0.0186	0.00084	0.0050

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

Sample Description: B-41 Water
BP Sanborn COC: 192404
2040 Cory Dr - Sanborn, NY B-41

LLI Sample # WW 595537
LLI Group # 1190623
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2010 09:40 by RB

Atlantic Richfield(Parsons-NY)

Submitted: 04/16/2010 09:00

BP Corporation

Reported: 04/25/2010 15:27

501 WestLake Park Blvd

Discard: 05/26/2010

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
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	92.0	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	149	6.0	20.0	20
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.6	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	14.4 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.7	1.7	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.

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	N101091AA	04/19/2010 20:04	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101091AA	04/19/2010 20:04	Chelsea B Eastep	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101100011A	04/21/2010 10:49	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101061848003	04/20/2010 02:14	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	101061848003	04/20/2010 02:14	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101061848003	04/16/2010 18:30	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10106196602A	04/17/2010 16:20	Ashley M Adams	20
00368	Nitrate Nitrogen	EPA 300.0	1	10106196602A	04/17/2010 03:44	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10106196602A	04/17/2010 03:44	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10106196602A	04/17/2010 16:20	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 01:24	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10107023501A	04/17/2010 07:43	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/25/10 at 03:27 PM

Group Number: 1190623

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.

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: N101091AA Sample number(s): 5955535-5955537									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	80		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	108		80-120		
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	107		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	101		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	77		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	105		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	96		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	106		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	106		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	99		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	103		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	104		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	110		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	98		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	97		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	103		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	101		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	102		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	99		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	96		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	107		75-127		
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	111		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	99		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	100		59-120		
Batch number: 101100011A Sample number(s): 5955535-5955537									
Ethane	N.D.	1.0	5.0	ug/l	107		80-120		
Ethene	N.D.	1.0	5.0	ug/l	107		80-120		
Methane	N.D.	5.0	15	ug/l	105		80-120		
Batch number: 101061848003 Sample number(s): 5955535-5955537									
Iron	N.D.	0.0522	0.200	mg/l	100		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	98		90-110		
Batch number: 10106196602A Sample number(s): 5955535-5955537									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/25/10 at 03:27 PM

Group Number: 1190623

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloride	N.D.	0.20	0.40	mg/l	94		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	102		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	107		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	99		89-110		
Batch number: 10109049501A	Sample number(s): 5955535-5955537								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	98		93-112		
Batch number: 10107023501A	Sample number(s): 5955535-5955537								
Biochemical Oxygen Demand					94	90	85-115	5	8
Batch number: 10110400102A	Sample number(s): 5955535-5955537								
Chemical Oxygen Demand					99		94-110		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: N101091AA	Sample number(s): 5955535-5955537 UNSPK: P955754								
Benzyl Chloride	78	79	62-120	2	30				
Bromobenzene	101	104	82-115	2	30				
Bromodichloromethane	113	116	78-125	2	30				
Bromoform	87	86	60-121	1	30				
Bromomethane	109	111	38-149	1	30				
Carbon Tetrachloride	123	122	81-138	0	30				
Chlorobenzene	108	109	87-124	0	30				
Chloroethane	107	110	51-145	2	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	113	114	81-134	1	30				
Chloromethane	109	108	67-154	1	30				
Dibromochloromethane	110	110	74-116	0	30				
Dibromomethane	111	112	83-119	1	30				
1,2-Dichlorobenzene	104	106	84-119	1	30				
1,3-Dichlorobenzene	105	105	86-121	0	30				
1,4-Dichlorobenzene	102	104	85-121	2	30				
Dichlorodifluoromethane	123	124	64-163	1	30				
1,1-Dichloroethane	111	112	84-129	1	30				
1,2-Dichloroethane	115	115	66-141	0	30				
1,1-Dichloroethene	110	110	85-142	0	30				
cis-1,2-Dichloroethene	107	107	85-125	0	30				
trans-1,2-Dichloroethene	109	110	87-126	1	30				
1,2-Dichloropropane	112	112	83-124	0	30				
cis-1,3-Dichloropropene	98	100	75-125	2	30				
trans-1,3-Dichloropropene	102	106	74-119	4	30				
Methylene Chloride	106	108	79-120	1	30				
1,1,1,2-Tetrachloroethane	103	105	82-119	1	30				
1,1,2,2-Tetrachloroethane	99	100	73-119	0	30				
Tetrachloroethene	106	107	80-128	2	30				
1,1,1-Trichloroethane	119	120	80-143	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)
Reported: 04/25/10 at 03:27 PM

Group Number: 1190623

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	BKG MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	110	111	77-124	1	30				
Trichloroethene	113	115	88-133	2	30				
Trichlorofluoromethane	129	129	73-152	0	30				
1,2,3-Trichloropropane	100	100	76-118	0	30				
Vinyl Chloride	114	116	66-133	2	30				
Batch number: 101100011A	Sample number(s): 5955535-5955537 UNSPK: P955505								
Ethane	85	97	34-153	13	20				
Ethene	92	103	35-162	12	20				
Methane	85	95	35-157	11	20				
Batch number: 101061848003	Sample number(s): 5955535-5955537 UNSPK: P955288 BKG: P955288								
Iron	-134 (2)	-101 (2)	75-125	1	20	48.3	46.7	3	20
Manganese	91	91	75-125	0	20	0.747	0.723	3	20
Batch number: 10106196602A	Sample number(s): 5955535-5955537 UNSPK: 5955535 BKG: 5955535								
Chloride	105		90-110		84.9	85.5	1 (1)		20
Nitrate Nitrogen	98		90-110		1.3	1.4	3 (1)		20
Nitrite Nitrogen	98		90-110		N.D.	N.D.	0 (1)		20
Sulfate	127*		90-110		96.2	93.9	2 (1)		20
Batch number: 10109049501A	Sample number(s): 5955535-5955537 UNSPK: P954142 BKG: P954142								
Dissolved Organic Carbon	102		66-125		1.7	2.0	13* (1)		2
Batch number: 10107023501A	Sample number(s): 5955535-5955537 UNSPK: 5955536 BKG: P956407								
Biochemical Oxygen Demand	98	101	76-134	3	8	90.8	86.3	5	15
Batch number: 10110400102A	Sample number(s): 5955535-5955537 UNSPK: P954142 BKG: P954142								
Chemical Oxygen Demand	91	91	90-110	1	4	16.5 J	27.5 J	50* (1)	5

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N101091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5955535	105	100	98	92
5955536	104	100	97	89
5955537	105	102	98	90
Blank	104	102	99	91
LCS	103	102	102	101
MS	103	100	102	102
MSD	104	101	103	103
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/25/10 at 03:27 PM

Group Number: 1190623

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 101100011A
Propene

5955535	72
5955536	77
5955537	76
Blank	107
LCS	102
MS	83
MSD	89

Limits: 42-131

*- Outside of specification

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1190623

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.

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:

10903: BTE 8260

Batch #: N101091AA (Sample number(s): 5955535-5955537 UNSPK: P955754)

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

Sample #s: 5955535, 5955536, 5955537

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

01754: Iron

Batch #: 101061848003 (Sample number(s): 5955535-5955537 UNSPK: P955288 BKG: P955288)

The recovery for the above analyte in the MS and/or MSD was outside the acceptance window.

00228: Sulfate

Batch #: 10106196602A (Sample number(s): 5955535-5955537 UNSPK: 5955535 BKG: 5955535)

The recovery for the above analytes in the MS was outside the acceptance window.

07547: Dissolved Organic Carbon

Batch #: 10109049501A (Sample number(s): 5955535-5955537 UNSPK: P954142 BKG: P954142)

The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand

Batch #: 10110400102A (Sample number(s): 5955535-5955537 UNSPK: P954142 BKG: P954142)

The duplicate RPD for the above analyte exceeded the acceptance window.

Environmental Sample Administration Receipt Documentation Log

Client/Project: Atlantic Richfield (NY) Shipping Container Sealed: YES NO
 Date of Receipt: 4/16/10 Custody Seal Present * : YES NO
 Time of Receipt: 0900
 Source Code: 50-1 * Custody seal was intact unless otherwise noted in the discrepancy section
 Unpacker Emp. No.: 1607 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	0429951	5.7°C	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:

Vials for 8260 are unpreserved

Sample Administration Internal Chain of Custody

Name	Date	Time	Reason for Transfer
Mary Beth Reed	4/16/10	1100	Unpacking
DA Veslund	4/16/10	1105	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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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

April 22, 2010

Project: BP Sanborn


Submittal Date: 04/15/2010
Group Number: 1190419
PO Number: 0001W-0038
Release Number: BARBER
State of Sample Origin: NYClient Sample DescriptionB-49 Water
B-48 Water
B-48MS Water
B-48MSD Water
B-48DUP WaterLancaster Labs (LLI) #5954141
5954142
5954143
5954144
5954145

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

1 COPY TO
ELECTRONIC
COPY TOParsons
ParsonsAttn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,



Max E. Snavelly
Senior Specialist

Sample Description: B-49 Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-49

LLI Sample # WW 5954141
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB49

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
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	29	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	76	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.0598 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0206	0.00084	0.0050	1

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

Sample Description: B-49 Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-49

LLI Sample # WW 5954141
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	mg/l 48.1	mg/l 4.0	mg/l 8.0	20
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,610	60.0	200	200
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	mg/l 1.0	mg/l 0.50	mg/l 1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	mg/l 82.2	mg/l 12.8	mg/l 50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	mg/l 26.6	mg/l 0.80	mg/l 3.0	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.

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	Y101052AA	04/16/2010 02:26	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 02:26	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/20/2010 17:38	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 05:18	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 05:18	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10105196602A	04/16/2010 23:44	Ashley M Adams	20
00368	Nitrate Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 01:35	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 01:35	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10105196602A	04/17/2010 00:03	Ashley M Adams	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 00:18	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

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

Sample Description: B-48 Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954142
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

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	1.7 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
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.172 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0236	0.00084	0.0050	1

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

Sample Description: B-48 Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954142
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	66.5	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.3	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	102	6.0	20.0	20
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.7	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	16.5 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.5	1.5	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.

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	Y101052AA	04/16/2010 00:41	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 00:41	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/20/2010 17:51	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:22	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:22	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10105196602A	04/16/2010 21:54	Ashley M Adams	20
00368	Nitrate Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:03	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:03	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10105196602A	04/16/2010 21:54	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 00:47	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

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

Sample Description: B-48MS Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954143
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

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	21	1.0	5.0	1
10903	Bromobenzene	108-86-1	22	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	22	1.0	5.0	1
10903	Bromomethane	74-83-9	20	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	22	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	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	22	0.80	5.0	1
10903	Chloromethane	74-87-3	23	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	21	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	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	22	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	22	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	22	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	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	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	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	21	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	25	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	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	23	1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.					

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	48	1.0	5.0	1
07105	Ethene	74-85-1	52	1.0	5.0	1
07105	Methane	74-82-8	47	5.0	15	1

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	1.04	0.0522	0.200	1
07058	Manganese	7439-96-5	0.511	0.00084	0.0050	1

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

Sample Description: B-48MS Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954143
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	157	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	12.2	0.50	1.0	10
01506	Nitrite Nitrogen	14797-65-0	10.5	0.80	1.0	10
00228	Sulfate	14808-79-8	343	15.0	50.0	50
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	12.0	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	382	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	45.8	0.80	3.0	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.

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	Y101052AA	04/16/2010 01:02	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 01:02	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/20/2010 18:19	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:32	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:32	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10105196602A	04/16/2010 22:30	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:40	Ashley M Adams	10
01506	Nitrite Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:40	Ashley M Adams	10
00228	Sulfate	EPA 300.0	1	10105196602A	04/16/2010 22:30	Ashley M Adams	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 00:54	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

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

Sample Description: B-48MSD Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954144
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

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	21	1.0	5.0	1
10903	Bromobenzene	108-86-1	22	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	22	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	21	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	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	22	0.80	5.0	1
10903	Chloromethane	74-87-3	23	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	23	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	23	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	23	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	20	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	22	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	23	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	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	22	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	25	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	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	24	1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.					

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	50	1.0	5.0	1
07105	Ethene	74-85-1	54	1.0	5.0	1
07105	Methane	74-82-8	49	5.0	15	1

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	1.01	0.0522	0.200	1
07058	Manganese	7439-96-5	0.512	0.00084	0.0050	1

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

Sample Description: B-48MSD Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954144
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	380 mg/l	12.8 mg/l	50.0 mg/l	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	45.1 mg/l	0.80 mg/l	3.0 mg/l	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.

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	Y101052AA	04/16/2010 01:23	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 01:23	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/20/2010 18:33	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:36	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:36	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

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

Sample Description: B-48DUP Water
BP Sanborn COC: 192403
2040 Cory Dr - Sanborn, NY B-48

LLI Sample # WW 5954145
LLI Group # 1190419
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals						
		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.146 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0246	0.00084	0.0050	1
Wet Chemistry						
		EPA 300.0	mg/l	mg/l	mg/l	
00224	Chloride	16887-00-6	66.0	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.3	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	100	6.0	20.0	20
		EPA 415.1 modified	mg/l	mg/l	mg/l	
07547	Dissolved Organic Carbon	n.a.	2.0	0.50	1.0	1
		EPA 410.4	mg/l	mg/l	mg/l	
04001	Chemical Oxygen Demand	n.a.	27.5 J	12.8	50.0	1
		SM20 5210 B	mg/l	mg/l	mg/l	
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.5	1.5	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.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:29	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:29	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10105196602A	04/16/2010 22:12	Ashley M Adams	20
00368	Nitrate Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:22	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:22	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10105196602A	04/16/2010 22:12	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 01:02	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190419

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.

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: Y101052AA	Sample number(s): 5954141-5954144								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	105		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	103		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	101		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	109		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	105		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	96		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	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	98		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		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	104		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	80		54-152		
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	102		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	100		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	102		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	105		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		80-120		
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	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	99		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	97		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	97		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	101		59-120		
Batch number: 101050026A	Sample number(s): 5954141-5954144								
Ethane	N.D.	1.0	5.0	ug/l	100		80-120		
Ethene	N.D.	1.0	5.0	ug/l	98		80-120		
Methane	N.D.	5.0	15	ug/l	98		80-120		
Batch number: 101051848002	Sample number(s): 5954141-5954145								
Iron	N.D.	0.0522	0.200	mg/l	104		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 10105196602A	Sample number(s): 5954141-5954143,5954145								

*- Outside of specification

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190419

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloride	N.D.	0.20	0.40	mg/l	105		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	106		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	108		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	104		89-110		
Batch number: 10109049501A	Sample number(s): 5954141-5954143, 5954145								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	98		93-112		
Batch number: 10106023501A	Sample number(s): 5954141-5954145								
Biochemical Oxygen Demand					96	95	85-115	1	8
Batch number: 10110400102A	Sample number(s): 5954141-5954145								
Chemical Oxygen Demand					99		94-110		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y101052AA	Sample number(s): 5954141-5954144 UNSPK: 5954142								
Benzyl Chloride	104	107	62-120	3	30				
Bromobenzene	110	111	82-115	1	30				
Bromodichloromethane	106	108	78-125	2	30				
Bromoform	109	111	60-121	2	30				
Bromomethane	102	96	38-149	7	30				
Carbon Tetrachloride	116	118	81-138	2	30				
Chlorobenzene	115	116	87-124	1	30				
Chloroethane	110	106	51-145	4	30				
2-Chloroethyl Vinyl Ether	105	103	10-151	1	30				
Chloroform	110	112	81-134	2	30				
Chloromethane	114	113	67-154	1	30				
Dibromochloromethane	106	108	74-116	1	30				
Dibromomethane	106	107	83-119	1	30				
1,2-Dichlorobenzene	111	113	84-119	2	30				
1,3-Dichlorobenzene	111	113	86-121	2	30				
1,4-Dichlorobenzene	111	113	85-121	2	30				
Dichlorodifluoromethane	95	101	64-163	6	30				
1,1-Dichloroethane	110	113	84-129	2	30				
1,2-Dichloroethane	108	108	66-141	0	30				
1,1-Dichloroethene	112	112	85-142	0	30				
cis-1,2-Dichloroethene	114	116	85-125	2	30				
trans-1,2-Dichloroethene	115	116	87-126	1	30				
1,2-Dichloropropane	112	113	83-124	1	30				
cis-1,3-Dichloropropene	103	106	75-125	3	30				
trans-1,3-Dichloropropene	102	106	74-119	4	30				
Methylene Chloride	112	109	79-120	3	30				
1,1,1,2-Tetrachloroethane	109	112	82-119	2	30				
1,1,2,2-Tetrachloroethane	107	110	73-119	3	30				
Tetrachloroethene	116	117	80-128	1	30				
1,1,1-Trichloroethane	110	111	80-143	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)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190419

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	110	110	77-124	0	30				
Trichloroethene	114	116	88-133	1	30				
Trichlorofluoromethane	113	113	73-152	0	30				
1,2,3-Trichloropropane	105	108	76-118	3	30				
Vinyl Chloride	116	118	66-133	1	30				
Batch number: 101050026A Sample number(s): 5954141-5954144 UNSPK: 5954142									
Ethane	81	85	34-153	4	20				
Ethene	85	89	35-162	4	20				
Methane	78	82	35-157	4	20				
Batch number: 101051848002 Sample number(s): 5954141-5954145 UNSPK: 5954142 BKG: 5954142									
Iron	86	84	75-125	2	20	0.172 J	0.146 J	16 (1)	20
Manganese	97	98	75-125	0	20	0.0236	0.0246	4 (1)	20
Batch number: 10105196602A Sample number(s): 5954141-5954143,5954145 UNSPK: 5954142 BKG: 5954142									
Chloride	90		90-110		66.5	66.0		1	20
Nitrate Nitrogen	109		90-110		1.3	1.3		4 (1)	20
Nitrite Nitrogen	105		90-110		N.D.	N.D.		0 (1)	20
Sulfate	96		90-110		102	100		1	20
Batch number: 10109049501A Sample number(s): 5954141-5954143,5954145 UNSPK: 5954142 BKG: 5954142									
Dissolved Organic Carbon	102		66-125		1.7	2.0		13* (1)	2
Batch number: 10106023501A Sample number(s): 5954141-5954145 UNSPK: 5954142 BKG: 5954142									
Biochemical Oxygen Demand	93	91	76-134	2	8	N.D.	N.D.	0 (1)	15
Batch number: 10110400102A Sample number(s): 5954141-5954145 UNSPK: 5954142 BKG: 5954142									
Chemical Oxygen Demand	91	91	90-110	1	4	16.5 J	27.5 J	50* (1)	5

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260
Batch number: Y101052AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5954141	99	102	98	97
5954142	99	102	99	98
5954143	99	102	100	98
5954144	99	103	101	98
Blank	98	100	99	98
LCS	99	104	101	98
MS	99	102	100	98
MSD	99	103	101	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190419

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 101050026A
Propene

5954141	83
5954142	74
5954143	69
5954144	72
Blank	102
LCS	97
MS	69
MSD	72

Limits: 42-131

*- Outside of specification

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1190419

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.

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:

10903: 8260 Std. Water Master

Sample #s: 5954141, 5954142, 5954143, 5954144

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

07547: Dissolved Organic Carbon

Batch #: 10109049501A (Sample number(s): 5954141-5954143, 5954145 UNSPK: 5954142 BKG: 5954142)

The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand

Batch #: 10110400102A (Sample number(s): 5954141-5954145 UNSPK: 5954142 BKG: 5954142)

The duplicate RPD for the above analyte exceeded the acceptance window.

BP/ARC Project Name: BP, Sambar
BP/ARC Facility No: _____

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

Lab Name: <u>Lincoln Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike, Lancaster, Pa 17601</u>	City, State, ZIP Code: <u>Sambar, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Jessica Oknefski</u>	Lead Regulatory Agency: <u>NYS DEC</u>	Address: <u>40 LaRiviere Dr. Buffalo, NY 14 Suite 350</u>
Lab Phone: <u>(717) 565-2300 x 1815</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>0001W-0038</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: <u>88100</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>50</u> Activity: <u>21</u>	Invoice To: BP/ARC _____ Contractor _____

BP/ARC EBM: <u>Bill Barber</u>				Matrix				No. Containers / Preservative						Requested Analyses										Report Type & QC Level																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
EBM Phone: <u>(216) 271-8038</u>				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260	methane, ethane, ethene, nitrate	chloride, sulfate, nitrite	DOC	Iron, Manganese	BOD	COD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

Sampler's Name: <u>Richard C Backen</u>	Relinquished By / Affiliation: <u>Richard C Backen</u>	Date: <u>4/14/10</u>	Time: <u>1745</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>QRM Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>4/14/10</u>						
Shipment Tracking No: <u>870059280150</u>				<u>Richard A Nash / UI</u>	<u>4/15/10</u>	<u>0915</u>

Special Instructions: _____

THIS LINE - LAB USE ONLY: Custody Seals In Place <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Temp Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cooler Temp on Receipt: <u>5.9 °C</u>	Trip Blank: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	MS/MSD Sample Submitted: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
--	---	---------------------------------------	---	--

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP

Shipping Container Sealed YES NO

Date of Receipt: 4/15/10

Custody Seal Present * : YES NO

Time of Receipt: 0915

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

Source Code: 50-1

Package: Chilled Not Chilled

Unpacker Emp. No.: 208

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	9493	5.9	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:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Ad Reslund</u>	<u>4/15/10</u>	<u>1000</u>	Unpacking to storage
<u>Kristin Leigh</u>	<u>4-15-10</u>	<u>1012</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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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

April 22, 2010

Project: BP Sanborn

Submittal Date: 04/15/2010

Group Number: 1190418

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

Client Sample Description

B-8 Water

B-10 Water

Lancaster Labs (LLI) #

5954138

5954139

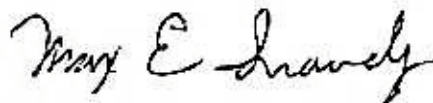
The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,



Max E. Snavelly
Senior Specialist

Sample Description: B-8 Water
BP Sanborn COC: 192536
2040 Cory Dr - Sanborn, NY B-8

LLI Sample # WW 5954138
LLI Group # 1190418
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CDSB8

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.	100	500	100
10903	Bromobenzene	108-86-1	N.D.	100	500	100
10903	Bromodichloromethane	75-27-4	N.D.	100	500	100
10903	Bromoform	75-25-2	N.D.	100	500	100
10903	Bromomethane	74-83-9	N.D.	100	500	100
10903	Carbon Tetrachloride	56-23-5	N.D.	100	500	100
10903	Chlorobenzene	108-90-7	N.D.	80	500	100
10903	Chloroethane	75-00-3	N.D.	100	500	100
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	200	1,000	100
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	80	500	100
10903	Chloromethane	74-87-3	N.D.	100	500	100
10903	Dibromochloromethane	124-48-1	N.D.	100	500	100
10903	Dibromomethane	74-95-3	N.D.	100	500	100
10903	1,2-Dichlorobenzene	95-50-1	N.D.	100	500	100
10903	1,3-Dichlorobenzene	541-73-1	N.D.	100	500	100
10903	1,4-Dichlorobenzene	106-46-7	N.D.	100	500	100
10903	Dichlorodifluoromethane	75-71-8	N.D.	200	500	100
10903	1,1-Dichloroethane	75-34-3	N.D.	100	500	100
10903	1,2-Dichloroethane	107-06-2	N.D.	100	500	100
10903	1,1-Dichloroethene	75-35-4	N.D.	80	500	100
10903	cis-1,2-Dichloroethene	156-59-2	2,700	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	80	500	100
10903	1,2-Dichloropropane	78-87-5	N.D.	100	500	100
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	100	500	100
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	100	500	100
10903	Methylene Chloride	75-09-2	N.D.	200	500	100
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	100	500	100
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	100	500	100
10903	Tetrachloroethene	127-18-4	N.D.	80	500	100
10903	1,1,1-Trichloroethane	71-55-6	N.D.	80	500	100
10903	1,1,2-Trichloroethane	79-00-5	N.D.	80	500	100
10903	Trichloroethene	79-01-6	84,000	1,000	5,000	1000
10903	Trichlorofluoromethane	75-69-4	N.D.	200	500	100
10903	1,2,3-Trichloropropane	96-18-4	N.D.	100	500	100
10903	Vinyl Chloride	75-01-4	N.D.	100	500	100

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

GC Miscellaneous	RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	79	1.0	5.0
07105	Ethene	74-85-1	8.5	1.0	5.0
07105	Methane	74-82-8	2,000	25	75

Metals	SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	8.34	0.0522	0.200
07058	Manganese	7439-96-5	0.208	0.00084	0.0050

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

Sample Description: B-8 Water
BP Sanborn COC: 192536
2040 Cory Dr - Sanborn, NY B-8

LLI Sample # WW 5954138
LLI Group # 1190418
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CDSB8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	mg/l	mg/l	mg/l	
00368	Nitrate Nitrogen	14797-55-8	248	20.0	40.0	100
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.25	0.50	5
00228	Sulfate	14797-65-0	N.D.	0.40	0.50	5
		14808-79-8	87.9	3.0	10.0	10
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	mg/l	mg/l	mg/l	
			2.3	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	mg/l	mg/l	mg/l	
			60.3	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	mg/l	mg/l	mg/l	
			N.D.	2.7	2.7	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.

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	Y101052AA	04/16/2010 07:22	Nicholas P Riehl	100
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101052AA	04/16/2010 07:43	Nicholas P Riehl	1000
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 07:22	Nicholas P Riehl	100
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y101052AA	04/16/2010 07:43	Nicholas P Riehl	1000
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/20/2010 17:10	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/21/2010 11:44	Dustin A Underkoffler	5
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 05:11	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 05:11	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10105196602A	04/16/2010 23:07	Ashley M Adams	100
00368	Nitrate Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:58	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 00:58	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10105196602A	04/16/2010 22:49	Ashley M Adams	10
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 00:11	James S Mathiot	1

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

Sample Description: B-8 Water
BP Sanborn COC: 192536
2040 Cory Dr - Sanborn, NY B-8

LLI Sample # WW 5954138
LLI Group # 1190418
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CDSB8

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

Sample Description: B-10 Water
BP Sanborn COC: 192536
2040 Cory Dr - Sanborn, NY B-10

LLI Sample # WW 5954139
LLI Group # 1190418
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 15:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
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	3.9 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	2.4 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	31	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
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	1.23	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0092	0.00084	0.0050	1

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

Sample Description: B-10 Water
BP Sanborn COC: 192536
2040 Cory Dr - Sanborn, NY B-10

LLI Sample # WW 5954139
LLI Group # 1190418
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2010 15:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/15/2010 09:15

BP Corporation

Reported: 04/22/2010 12:45

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	197	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	0.61	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	67.6	1.5	5.0	5
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.3	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	25.3 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.9	1.9	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.

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	Y101052AA	04/16/2010 06:18	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 06:18	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050026A	04/20/2010 17:24	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 05:14	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 05:14	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10105196602A	04/16/2010 23:26	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 01:17	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10105196602A	04/16/2010 01:17	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10105196602A	04/16/2010 01:17	Ashley M Adams	5
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10109049501A	04/19/2010 00:25	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400102A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10106023501A	04/16/2010 07:45	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190418

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.

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: Y101052AA	Sample number(s): 5954138-5954139								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	105		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	103		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	101		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	109		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	105		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	96		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	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	98		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		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	104		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	80		54-152		
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	102		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	100		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	102		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	105		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		80-120		
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	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	99		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	97		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	97		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	101		59-120		
Batch number: 101050026A	Sample number(s): 5954138-5954139								
Ethane	N.D.	1.0	5.0	ug/l	100		80-120		
Ethene	N.D.	1.0	5.0	ug/l	98		80-120		
Methane	N.D.	5.0	15	ug/l	98		80-120		
Batch number: 101051848002	Sample number(s): 5954138-5954139								
Iron	N.D.	0.0522	0.200	mg/l	104		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 10105196602A	Sample number(s): 5954138-5954139								

*- Outside of specification

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190418

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloride	N.D.	0.20	0.40	mg/l	105		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	106		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	108		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	104		89-110		
Batch number: 10109049501A	Sample number(s): 5954138-5954139								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	98		93-112		
Batch number: 10106023501A	Sample number(s): 5954138-5954139								
Biochemical Oxygen Demand					96	95	85-115	1	8
Batch number: 10110400102A	Sample number(s): 5954138-5954139								
Chemical Oxygen Demand					99		94-110		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y101052AA	Sample number(s): 5954138-5954139 UNSPK: P954142								
Benzyl Chloride	104	107	62-120	3	30				
Bromobenzene	110	111	82-115	1	30				
Bromodichloromethane	106	108	78-125	2	30				
Bromoform	109	111	60-121	2	30				
Bromomethane	102	96	38-149	7	30				
Carbon Tetrachloride	116	118	81-138	2	30				
Chlorobenzene	115	116	87-124	1	30				
Chloroethane	110	106	51-145	4	30				
2-Chloroethyl Vinyl Ether	105	103	10-151	1	30				
Chloroform	110	112	81-134	2	30				
Chloromethane	114	113	67-154	1	30				
Dibromochloromethane	106	108	74-116	1	30				
Dibromomethane	106	107	83-119	1	30				
1,2-Dichlorobenzene	111	113	84-119	2	30				
1,3-Dichlorobenzene	111	113	86-121	2	30				
1,4-Dichlorobenzene	111	113	85-121	2	30				
Dichlorodifluoromethane	95	101	64-163	6	30				
1,1-Dichloroethane	110	113	84-129	2	30				
1,2-Dichloroethane	108	108	66-141	0	30				
1,1-Dichloroethene	112	112	85-142	0	30				
cis-1,2-Dichloroethene	114	116	85-125	2	30				
trans-1,2-Dichloroethene	115	116	87-126	1	30				
1,2-Dichloropropane	112	113	83-124	1	30				
cis-1,3-Dichloropropene	103	106	75-125	3	30				
trans-1,3-Dichloropropene	102	106	74-119	4	30				
Methylene Chloride	112	109	79-120	3	30				
1,1,1,2-Tetrachloroethane	109	112	82-119	2	30				
1,1,2,2-Tetrachloroethane	107	110	73-119	3	30				
Tetrachloroethene	116	117	80-128	1	30				
1,1,1-Trichloroethane	110	111	80-143	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)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190418

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	110	110	77-124	0	30				
Trichloroethene	114	116	88-133	1	30				
Trichlorofluoromethane	113	113	73-152	0	30				
1,2,3-Trichloropropane	105	108	76-118	3	30				
Vinyl Chloride	116	118	66-133	1	30				
Batch number: 101050026A Sample number(s): 5954138-5954139 UNSPK: P954142									
Ethane	81	85	34-153	4	20				
Ethene	85	89	35-162	4	20				
Methane	78	82	35-157	4	20				
Batch number: 101051848002 Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142									
Iron	86	84	75-125	2	20	0.172 J	0.146 J	16 (1)	20
Manganese	97	98	75-125	0	20	0.0236	0.0246	4 (1)	20
Batch number: 10105196602A Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142									
Chloride	90		90-110		66.5	66.0		1	20
Nitrate Nitrogen	109		90-110		1.3	1.3		4 (1)	20
Nitrite Nitrogen	105		90-110		N.D.	N.D.		0 (1)	20
Sulfate	96		90-110		102	100		1	20
Batch number: 10109049501A Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142									
Dissolved Organic Carbon	102		66-125		1.7	2.0		13* (1)	2
Batch number: 10106023501A Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142									
Biochemical Oxygen Demand	93	91	76-134	2	8	N.D.	N.D.	0 (1)	15
Batch number: 10110400102A Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142									
Chemical Oxygen Demand	91	91	90-110	1	4	16.5 J	27.5 J	50* (1)	5

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260
Batch number: Y101052AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5954138	98	100	100	99
5954139	101	102	99	98
Blank	98	100	99	98
LCS	99	104	101	98
MS	99	102	100	98
MSD	99	103	101	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 101050026A

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:45 PM

Group Number: 1190418

Surrogate Quality Control

Propene	
5954138	73
5954139	74
Blank	102
LCS	97
MS	69
MSD	72
Limits:	42-131

*- Outside of specification

**_This limit was used in the evaluation of the final result for the blank

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

Project Name: BP Sanborn
LLI Group #: 1190418

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.

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:**10903: 8260 Std. Water Master**

Sample #s: 5954138, 5954139

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

07547: Dissolved Organic Carbon

Batch #: 10109049501A (Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142)

The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand

Batch #: 10110400102A (Sample number(s): 5954138-5954139 UNSPK: P954142 BKG: P954142)

The duplicate RPD for the above analyte exceeded the acceptance window.

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 4/15/10

Custody Seal Present *: YES NO

Time of Receipt: 0915

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

Source Code: 50-1

Package: Chilled Not Chilled

Unpacker Emp. No.: 1454

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	049951	1-1-0	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2
4/15/10

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>[Signature]</u>	<u>4/15/10</u>	<u>1005</u>	Unpacking 1 to storage
<u>Kristen Leigh</u>	<u>4-15-10</u>	<u>1011</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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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

April 22, 2010

Project: BP Sanborn

Submittal Date: 04/14/2010

Group Number: 1190196

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-43 Water
B-42 Water
B-13 Water
B-19 WaterLancaster Labs (LLI) #5953084
5953085
5953086
5953087

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

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TOAttn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,



Max E. Snavelly
Senior Specialist

Sample Description: B-43 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-43

LLI Sample # WW 5953084
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 09:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN43

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	5.9	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	2.6 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
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.					

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.169 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0097	0.00084	0.0050	1

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

Sample Description: B-43 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-43

LLI Sample # WW 5953084
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 09:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	59.6	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	572	15.0	50.0	50
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.9	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.8	2.8	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.

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	Y101052AA	04/16/2010 02:47	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 02:47	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/20/2010 12:13	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:57	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:57	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10104196602B	04/16/2010 16:03	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 02:32	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 02:32	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10104196602B	04/16/2010 16:03	Ashley M Adams	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10105049501A	04/15/2010 04:20	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400101A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10105023501A	04/15/2010 07:46	Hannah M Royer	1

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

Sample Description: B-42 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-42

LLI Sample # WW 5953085
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 11:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN42

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	14	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	3.7 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
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.287	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0102	0.00084	0.0050	1

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

Sample Description: B-42 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-42

LLI Sample # WW 5953085
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 11:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	93.5	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	0.80	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	93.9	15.0	50.0	50
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	2.2	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	14.4 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.2	2.2	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.

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	Y101052AA	04/16/2010 01:44	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 01:44	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/20/2010 12:27	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 05:00	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 05:00	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10104196602B	04/16/2010 16:58	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 03:28	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 03:28	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10104196602B	04/16/2010 16:58	Ashley M Adams	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10105049501A	04/15/2010 04:27	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400101A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10105023501A	04/15/2010 07:46	Hannah M Royer	1

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

Sample Description: B-13 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-13

LLI Sample # WW 5953086
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 13:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN13

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						
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	4.2 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	2.6 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	360	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	5.8	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	2.3 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	340	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	19	1.0	5.0	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
GC Miscellaneous RSKSOP-175 08/11/94 modified						
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	7.6 J	5.0	15	1
Metals SW-846 6010B						
01754	Iron	7439-89-6	1.04	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0251	0.00084	0.0050	1

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

Sample Description: B-13 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-13

LLI Sample # WW 5953086
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 13:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	59.4	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	435	15.0	50.0	50
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	2.4	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.5	2.5	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.

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	Y101052AA	04/16/2010 06:40	Nicholas P Riehl	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101052AA	04/16/2010 07:01	Nicholas P Riehl	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 06:40	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y101052AA	04/16/2010 07:01	Nicholas P Riehl	10
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/20/2010 12:40	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 05:04	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 05:04	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10104196602B	04/16/2010 17:17	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 03:46	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 03:46	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10104196602B	04/16/2010 17:17	Ashley M Adams	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10105049501A	04/15/2010 04:34	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400101A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10105023501A	04/15/2010 07:46	Hannah M Royer	1

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

Sample Description: B-19 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-19

LLI Sample # WW 5953087
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN19

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						
10903	Benzyl Chloride	100-44-7	N.D.	ug/l 1.0	ug/l 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	2.0 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	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
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94	ug/l	ug/l	ug/l	
		modified				
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	5.0	15	1

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.0772 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0017 J	0.00084	0.0050	1

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

Sample Description: B-19 Water
BP Sanborn COC: 192402
2040 Cory Dr - Sanborn, NY B-19

LLI Sample # WW 5953087
LLI Group # 1190196
Account # 12495

Project Name: BP Sanborn

Collected: 04/13/2010 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/14/2010 09:15

BP Corporation

Reported: 04/22/2010 12:26

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

SAN19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	67.6	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	374	15.0	50.0	50
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.8	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	14.4 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.5	2.5	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.

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	Y101052AA	04/16/2010 02:05	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101052AA	04/16/2010 02:05	Nicholas P Riehl	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/20/2010 13:08	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 05:07	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 05:07	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10104196602B	04/16/2010 18:12	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 04:04	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10104196602B	04/15/2010 04:04	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10104196602B	04/16/2010 18:12	Ashley M Adams	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10105049501A	04/15/2010 04:42	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10110400101A	04/20/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10105023501A	04/15/2010 07:46	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:26 PM

Group Number: 1190196

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.

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: Y101052AA	Sample number(s): 5953084-5953087								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	105		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	103		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	101		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	109		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	105		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	96		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	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	98		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		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	104		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	80		54-152		
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	102		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	100		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	102		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	105		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		80-120		
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	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	99		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	97		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	97		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	101		59-120		
Batch number: 101050025A	Sample number(s): 5953084-5953087								
Ethane	N.D.	1.0	5.0	ug/l	103		80-120		
Ethene	N.D.	1.0	5.0	ug/l	103		80-120		
Methane	N.D.	5.0	15	ug/l	103		80-120		
Batch number: 101051848002	Sample number(s): 5953084-5953087								
Iron	N.D.	0.0522	0.200	mg/l	104		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 10104196602B	Sample number(s): 5953084-5953087								

*- Outside of specification

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:26 PM

Group Number: 1190196

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloride	N.D.	0.20	0.40	mg/l	97		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	105		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	108		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	98		89-110		
Batch number: 10105049501A	Sample number(s): 5953084-5953087								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	101		93-112		
Batch number: 10105023501A	Sample number(s): 5953084-5953087								
Biochemical Oxygen Demand					96	100	85-115	4	8
Batch number: 10110400101A	Sample number(s): 5953084-5953087								
Chemical Oxygen Demand					98		94-110		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y101052AA	Sample number(s): 5953084-5953087 UNSPK: P954142								
Benzyl Chloride	104	107	62-120	3	30				
Bromobenzene	110	111	82-115	1	30				
Bromodichloromethane	106	108	78-125	2	30				
Bromoform	109	111	60-121	2	30				
Bromomethane	102	96	38-149	7	30				
Carbon Tetrachloride	116	118	81-138	2	30				
Chlorobenzene	115	116	87-124	1	30				
Chloroethane	110	106	51-145	4	30				
2-Chloroethyl Vinyl Ether	105	103	10-151	1	30				
Chloroform	110	112	81-134	2	30				
Chloromethane	114	113	67-154	1	30				
Dibromochloromethane	106	108	74-116	1	30				
Dibromomethane	106	107	83-119	1	30				
1,2-Dichlorobenzene	111	113	84-119	2	30				
1,3-Dichlorobenzene	111	113	86-121	2	30				
1,4-Dichlorobenzene	111	113	85-121	2	30				
Dichlorodifluoromethane	95	101	64-163	6	30				
1,1-Dichloroethane	110	113	84-129	2	30				
1,2-Dichloroethane	108	108	66-141	0	30				
1,1-Dichloroethene	112	112	85-142	0	30				
cis-1,2-Dichloroethene	114	116	85-125	2	30				
trans-1,2-Dichloroethene	115	116	87-126	1	30				
1,2-Dichloropropane	112	113	83-124	1	30				
cis-1,3-Dichloropropene	103	106	75-125	3	30				
trans-1,3-Dichloropropene	102	106	74-119	4	30				
Methylene Chloride	112	109	79-120	3	30				
1,1,1,2-Tetrachloroethane	109	112	82-119	2	30				
1,1,2,2-Tetrachloroethane	107	110	73-119	3	30				
Tetrachloroethene	116	117	80-128	1	30				
1,1,1-Trichloroethane	110	111	80-143	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)
Reported: 04/22/10 at 12:26 PM

Group Number: 1190196

Sample Matrix Quality Control

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

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	110	110	77-124	0	30				
Trichloroethene	114	116	88-133	1	30				
Trichlorofluoromethane	113	113	73-152	0	30				
1,2,3-Trichloropropane	105	108	76-118	3	30				
Vinyl Chloride	116	118	66-133	1	30				
Batch number: 101050025A	Sample number(s): 5953084-5953087 UNSPK: P954046								
Ethane	93	92	34-153	2	20				
Ethene	97	92	35-162	5	20				
Methane	-667	-667	35-157	0	20				
	(2)	(2)							
Batch number: 101051848002	Sample number(s): 5953084-5953087 UNSPK: P954142 BKG: P954142								
Iron	86	84	75-125	2	20	0.172 J	0.146 J	16 (1)	20
Manganese	97	98	75-125	0	20	0.0236	0.0246	4 (1)	20
Batch number: 10104196602B	Sample number(s): 5953084-5953087 UNSPK: 5953084 BKG: 5953084								
Chloride	81*		90-110			59.6	58.1	3 (1)	20
Nitrate Nitrogen	112*		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	111*		90-110			N.D.	N.D.	0 (1)	20
Sulfate	91		90-110			572	579	1	20
Batch number: 10105049501A	Sample number(s): 5953084-5953087 UNSPK: P952954 BKG: P952954								
Dissolved Organic Carbon	87		66-125			14.1	13.6	4*	2
Batch number: 10105023501A	Sample number(s): 5953084-5953087 UNSPK: P953833 BKG: P953832								
Biochemical Oxygen Demand	92	95	76-134	2	8	375	340	10	15
Batch number: 10110400101A	Sample number(s): 5953084-5953087 UNSPK: 5953084 BKG: 5953084								
Chemical Oxygen Demand	96		90-110			N.D.	23.1 J	200* (1)	5

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: Y101052AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5953084	99	100	99	97
5953085	98	99	99	98
5953086	100	101	100	98
5953087	98	101	99	97
Blank	98	100	99	98
LCS	99	104	101	98
MS	99	102	100	98
MSD	99	103	101	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 12:26 PM

Group Number: 1190196

Surrogate Quality Control

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 101050025A
Propene

5953084	77
5953085	78
5953086	79
5953087	93
Blank	94
LCS	89
MS	87
MSD	81

Limits: 42-131

*- Outside of specification

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

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1190196

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.

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:

10903: 8260 Std. Water Master

Sample #s: 5953084, 5953085, 5953086, 5953087

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

07105: volatile Headspace Hydrocarbon

Batch #: 101050025A (Sample number(s): 5953084-5953087 UNSPK: P954046)

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

00224: Chloride

Batch #: 10104196602B (Sample number(s): 5953084-5953087 UNSPK: 5953084 BKG: 5953084)

The recovery for the above analytes in the MS was outside the acceptance window.

00368: Nitrate Nitrogen

Batch #: 10104196602B (Sample number(s): 5953084-5953087 UNSPK: 5953084 BKG: 5953084)

The recovery for the above analytes in the MS was outside the acceptance window.

01506: Nitrite Nitrogen

Batch #: 10104196602B (Sample number(s): 5953084-5953087 UNSPK: 5953084 BKG: 5953084)

The recovery for the above analytes in the MS was outside the acceptance window.

07547: Dissolved Organic Carbon

Batch #: 10105049501A (Sample number(s): 5953084-5953087 UNSPK: P952954 BKG: P952954)

The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand

Batch #: 10110400101A (Sample number(s): 5953084-5953087 UNSPK: 5953084 BKG: 5953084)

The duplicate RPD for the above analyte exceeded the acceptance window.

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Laboratory Management Program LaMP Chain of Custody Record

192402

Page 1 of 1

BP/ARC Project Name: BP. Sanborn

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

BP/ARC Facility No:

Lab Work Order Number:

[illegible]

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP (Parsons)
 Date of Receipt: 4-14-10
 Time of Receipt: 0915
 Source Code: 50-1
 Unpacker Emp. No.: 2123

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	2.9°	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:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>Kristin Leigh</i>	4-14-10	0953	Unpacking
<i>Da Vekand</i>	4/14/10	1000	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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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

April 22, 2010

Project: BP Sanborn

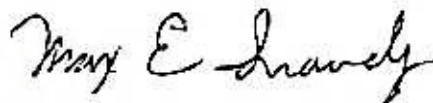
Submittal Date: 04/13/2010
Group Number: 1190013
PO Number: 0001W-0038
Release Number: BARBER
State of Sample Origin: NYClient Sample DescriptionB-17 Water
B-44 WaterLancaster Labs (LLI) #5951990
5951991

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

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TOAttn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,



Max E. Snavelly
Senior Specialist

Sample Description: B-17 Water
BP Sanborn COC: 192533
2040 Cory Dr - Sanborn, NY B-17

LLI Sample # WW 5951990
LLI Group # 1190013
Account # 12495

Project Name: BP Sanborn

Collected: 04/12/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/13/2010 08:50

BP Corporation

Reported: 04/22/2010 10:58

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB17

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	260	10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.	10	50	10
10903	1,1-Dichloroethene	75-35-4	65	8.0	50	10
10903	cis-1,2-Dichloroethene	156-59-2	7,400	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	39 J	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	14 J	8.0	50	10
10903	1,1,1-Trichloroethane	71-55-6	93	8.0	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.	8.0	50	10
10903	Trichloroethene	79-01-6	7,900	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	820	10	50	10

The pH of the GC/MS volatile fraction was pH = 6 at the time of analysis.

GC Miscellaneous	RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	15	1.0	5.0
07105	Ethene	74-85-1	39	1.0	5.0
07105	Methane	74-82-8	800	25	75

Metals	SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.383	0.0522	0.200
07058	Manganese	7439-96-5	0.0786	0.00084	0.0050

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

Sample Description: B-17 Water
BP Sanborn COC: 192533
2040 Cory Dr - Sanborn, NY B-17

LLI Sample # WW 5951990
LLI Group # 1190013
Account # 12495

Project Name: BP Sanborn

Collected: 04/12/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/13/2010 08:50

BP Corporation

Reported: 04/22/2010 10:58

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	238	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	170	6.0	20.0	20
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	3.2	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	27.5 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.7	2.7	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.

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	T101041AA	04/14/2010 20:22	Holly Berry	10
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101041AA	04/14/2010 20:45	Holly Berry	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101041AA	04/14/2010 20:22	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T101041AA	04/14/2010 20:45	Holly Berry	100
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/20/2010 11:05	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/21/2010 12:13	Dustin A Underkoffler	5
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:43	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:43	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10104495601A	04/14/2010 13:33	Ashley M Adams	50
00368	Nitrate Nitrogen	EPA 300.0	1	10104495601A	04/14/2010 02:30	James S Mathiot	5
01506	Nitrite Nitrogen	EPA 300.0	1	10104495601A	04/14/2010 02:30	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	10104495601A	04/14/2010 11:24	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10105049501A	04/15/2010 03:15	James S Mathiot	1

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

Sample Description: B-17 Water
BP Sanborn COC: 192533
2040 Cory Dr - Sanborn, NY B-17

LLI Sample # WW 5951990
LLI Group # 1190013
Account # 12495

Project Name: BP Sanborn

Collected: 04/12/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/13/2010 08:50

BP Corporation

Reported: 04/22/2010 10:58

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	10104400101B	04/14/2010 07:30	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10104023501A	04/14/2010 07:59	Hannah M Royer	1

Sample Description: B-44 Water
BP Sanborn COC: 192533
2040 Cory Dr - Sanborn, NY B-44

LLI Sample # WW 5951991
LLI Group # 1190013
Account # 12495

Project Name: BP Sanborn

Collected: 04/12/2010 15:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/13/2010 08:50

BP Corporation

Reported: 04/22/2010 10:58

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB44

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	7.0	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	5.7	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	3.4 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	6.0	1.0	5.0	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	20	1.0	5.0
07105	Ethene	74-85-1	9.9	1.0	5.0
07105	Methane	74-82-8	28	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.140 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0135	0.00084	0.0050	1

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

Sample Description: B-44 Water
BP Sanborn COC: 192533
2040 Cory Dr - Sanborn, NY B-44

LLI Sample # WW 5951991
LLI Group # 1190013
Account # 12495

Project Name: BP Sanborn

Collected: 04/12/2010 15:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/13/2010 08:50

BP Corporation

Reported: 04/22/2010 10:58

501 WestLake Park Blvd

Discard: 05/23/2010

Houston TX 77079

CSB44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	49.1	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,480	60.0	200	200
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.2	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	36.2 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	8.6	0.80	3.0	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.

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	T101041AA	04/14/2010 21:09	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101041AA	04/14/2010 21:09	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101050025A	04/20/2010 11:18	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101051848002	04/16/2010 04:46	Tara L Snyder	1
07058	Manganese	SW-846 6010B	1	101051848002	04/16/2010 04:46	Tara L Snyder	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101051848002	04/15/2010 18:45	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10104495601A	04/14/2010 03:07	James S Mathiot	50
00368	Nitrate Nitrogen	EPA 300.0	1	10104495601A	04/14/2010 02:48	James S Mathiot	5
01506	Nitrite Nitrogen	EPA 300.0	1	10104495601A	04/14/2010 02:48	James S Mathiot	5
00228	Sulfate	EPA 300.0	1	10104495601A	04/14/2010 11:42	Ashley M Adams	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10105049501A	04/15/2010 03:22	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10104400101B	04/14/2010 07:30	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10104023501A	04/14/2010 07:59	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 10:58 AM

Group Number: 1190013

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.

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: T101041AA Sample number(s): 5951990-5951991									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	79	83	69-120	5	30
Bromobenzene	N.D.	1.0	5.0	ug/l	92	96	80-120	4	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	102	104	80-120	2	30
Bromoform	N.D.	1.0	5.0	ug/l	90	96	61-120	6	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	96	100	75-123	4	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	95	101	80-120	6	30
Chloroethane	N.D.	1.0	5.0	ug/l	100	99	49-129	1	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	92	95	56-129	4	30
Chloroform	N.D.	0.80	5.0	ug/l	101	104	77-122	3	30
Chloromethane	N.D.	1.0	5.0	ug/l	87	89	60-129	2	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102	105	80-120	3	30
Dibromomethane	N.D.	1.0	5.0	ug/l	103	107	80-120	3	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97	102	80-120	4	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97	98	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97	100	80-120	4	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	77	80	54-152	4	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	92	95	79-120	3	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	109	113	70-130	4	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	91	93	74-123	2	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95	98	80-120	3	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	94	96	80-120	2	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	96	98	78-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	89	90	80-120	2	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93	96	79-120	3	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	95	96	80-120	2	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101	104	80-120	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	97	99	71-120	2	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	98	102	80-121	3	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	98	101	75-127	3	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	103	107	80-120	3	30
Trichloroethene	N.D.	1.0	5.0	ug/l	100	102	80-120	2	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	110	112	64-129	1	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	92	94	80-120	3	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	96	97	59-120	2	30
Batch number: 101050025A Sample number(s): 5951990-5951991									
Ethane	N.D.	1.0	5.0	ug/l	103		80-120		
Ethene	N.D.	1.0	5.0	ug/l	103		80-120		
Methane	N.D.	5.0	15	ug/l	103		80-120		
Batch number: 101051848002 Sample number(s): 5951990-5951991									
Iron	N.D.	0.0522	0.200	mg/l	104		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 10104495601A Sample number(s): 5951990-5951991									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 10:58 AM

Group Number: 1190013

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloride	N.D.	0.20	0.40	mg/l	103		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	110		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	107		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	106		89-110		
Batch number: 10105049501A	Sample number(s): 5951990-5951991								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	101		93-112		
Batch number: 10104023501A	Sample number(s): 5951990-5951991								
Biochemical Oxygen Demand					90	97	85-115	7	8
Batch number: 10104400101B	Sample number(s): 5951990-5951991								
Chemical Oxygen Demand					100		94-110		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: T101041AA	Sample number(s): 5951990-5951991 UNSPK: P951961								
Benzyl Chloride	76		62-120						
Bromobenzene	93		82-115						
Bromodichloromethane	103		78-125						
Bromoform	90		60-121						
Bromomethane	115		38-149						
Carbon Tetrachloride	105		81-138						
Chlorobenzene	98		87-124						
Chloroethane	110		51-145						
2-Chloroethyl Vinyl Ether	0*		10-151						
Chloroform	105		81-134						
Chloromethane	98		67-154						
Dibromochloromethane	100		74-116						
Dibromomethane	105		83-119						
1,2-Dichlorobenzene	97		84-119						
1,3-Dichlorobenzene	97		86-121						
1,4-Dichlorobenzene	96		85-121						
Dichlorodifluoromethane	90		64-163						
1,1-Dichloroethane	96		84-129						
1,2-Dichloroethane	111		66-141						
1,1-Dichloroethene	95		85-142						
cis-1,2-Dichloroethene	98		85-125						
trans-1,2-Dichloroethene	98		87-126						
1,2-Dichloropropane	97		83-124						
cis-1,3-Dichloropropene	89		75-125						
trans-1,3-Dichloropropene	92		74-119						
Methylene Chloride	96		79-120						
1,1,1,2-Tetrachloroethane	102		82-119						
1,1,2,2-Tetrachloroethane	92		73-119						
Tetrachloroethene	107		80-128						
1,1,1-Trichloroethane	108		80-143						

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 10:58 AM

Group Number: 1190013

Sample Matrix Quality Control

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

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	101		77-124						
Trichloroethene	104		88-133						
Trichlorofluoromethane	125		73-152						
1,2,3-Trichloropropane	90		76-118						
Vinyl Chloride	104		66-133						
Batch number: 101050025A	Sample number(s): 5951990-5951991 UNSPK: P954046								
Ethane	93	92	34-153	2	20				
Ethene	97	92	35-162	5	20				
Methane	-667	-667	35-157	0	20				
	(2)	(2)							
Batch number: 101051848002	Sample number(s): 5951990-5951991 UNSPK: P954142 BKG: P954142								
Iron	86	84	75-125	2	20	0.172 J	0.146 J	16 (1)	20
Manganese	97	98	75-125	0	20	0.0236	0.0246	4 (1)	20
Batch number: 10104495601A	Sample number(s): 5951990-5951991 UNSPK: P951997 BKG: P951997								
Chloride	101		90-110			75.9	79.3	4	20
Nitrate Nitrogen	104		90-110			2.8	2.5	11	20
Nitrite Nitrogen	100		90-110			1.1	1.1	4 (1)	20
Sulfate	104		90-110			130	138	5	20
Batch number: 10105049501A	Sample number(s): 5951990-5951991 UNSPK: P952954 BKG: P952954								
Dissolved Organic Carbon	87		66-125			14.1	13.6	4*	2
Batch number: 10104023501A	Sample number(s): 5951990-5951991 UNSPK: P951915 BKG: P952964								
Biochemical Oxygen Demand	94	103	76-134	9*	8	190	205	7	15
Batch number: 10104400101B	Sample number(s): 5951990-5951991 UNSPK: P952694 BKG: P952694								
Chemical Oxygen Demand	82*		90-110			3,330	3,380	1	5

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: T101041AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5951990	102	99	103	106
5951991	99	98	102	105
Blank	100	100	103	105
LCS	101	102	103	106
LCSD	99	98	105	107
MS	101	104	102	106
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/22/10 at 10:58 AM

Group Number: 1190013

Surrogate Quality Control

Batch number: 101050025A
Propene

5951990	76
5951991	80
Blank	94
LCS	89
MS	87
MSD	81

Limits: 42-131

*- Outside of specification

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1190013

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.

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:

10903: BTE 8260

Batch #: T101041AA (Sample number(s): 5951990-5951991 UNSPK: P951961)

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

Sample #s: 5951990

The pH of the GC/MS volatile fraction was pH = 6 at the time of analysis.

Sample #s: 5951991

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

07105: Volatile Headspace Hydrocarbon

Batch #: 101050025A (Sample number(s): 5951990-5951991 UNSPK: P954046)

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

07547: Dissolved Organic Carbon

Batch #: 10105049501A (Sample number(s): 5951990-5951991 UNSPK: P952954 BKG: P952954)

The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand

Batch #: 10104400101B (Sample number(s): 5951990-5951991 UNSPK: P952694 BKG: P952694)

The recovery for the above analytes in the MS was outside the acceptance window.

00235: Biochemical Oxygen Demand

Batch #: 10104023501A (Sample number(s): 5951990-5951991 UNSPK: P951915 BKG: P952964)

The relative percent difference for the above analyte in the MS/MSD was outside the acceptance window.

BP/ARC Project Name: BP, Sanborn

Req Due Date (mm/dd/yy):

Rush TAT: Yes No

BP/ARC Facility No:

Lab Work Order Number:

Lab Name: 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: Samburg, NY 14132			Consultant/Contractor Project No:														
Lab PM: Jessica Oknefski			Lead Regulatory Agency: NYSDOC			Address: 40 LeMoyne Dr. Suite 350, Buffalo, NY 14														
Lab Phone: (717) 656-2300 x1815			California Global ID No.:			Consultant/Contractor PM: George Hermance														
Lab Shipping Acct:			Enfos Proposal No: 0004 W-0038			Phone: (716) 407-4990														
Lab Bottle Order No: 88100			Accounting Mode: 10 Provision OOC-BU OOC-RM			Email EDD To: Lorraine Widen														
Other Info:			Stage: 50 Activity: 21			Invoice To: BP/ARC Contractor														
BP/ARC EBM: Bill Barber			Matrix		No. Containers / Preservative		Requested Analyses					Report Type & QC Level								
EBM Phone: (216)												Standard								
EBM Email:												Full Data Package								
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260	Methane, Ethane, Chloride, Nitrate, Nitrite Sulfate	Dissolved Organic Carbon	Iron, Manganese	BOD	COD	Comments	
	B-17	4/12/10	1300	X			10	7	1	1	2			3	2	2	1	1	1	
	B-44	4/12/10	1520	X			11	7	1	1	2			3	2	2	1	1	1	
Sampler's Name: Richard C Becker			Relinquished By / Affiliation			Date	Time	Accepted By / Affiliation			Date	Time								
Sampler's Company: OWM Enterprises Inc.			Richard C Becker			4/12/10	1800	[Signature]												
Shipment Method: FedEx Ship Date: 4/12/10																				
Shipment Tracking No: 870059280FY4											4/16/10	0850								
Special Instructions:																				
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes No				Temp Blank: Yes No				Cooler Temp on Receipt: 46 °F				Trip Blank: Yes No				MS/MSD Sample Submitted: Yes No				

BP/ARC Project Name: BP, Sanborn

Req Due Date (mm/dd/yy): **Rush TAT:** Yes No

BP/ARC Facility No:

Lab Work Order Number:

Lab Name: Lancaster Labs		BP/ARC Facility Address: 2045 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: Jessica Oknefski		Lead Regulatory Agency: NYSDOC				Address: 40 LaBriere Dr. Suite 350, Buffalo, NY 14														
Lab Phone: (717) 656-2300 x1815		California Global ID No.:				Consultant/Contractor PM: George Hermance														
Lab Shipping Acctn:		Enfos Proposal No: 000/W-0038				Phone: (716) 407-4790														
Lab Bottle Order No: 88100		Accounting Mode: 10 Provision OOC-BU OOC-RM				Email EDD To: Lorraine Welen														
Other Info:		Stage: 50 Activity: 21				Invoice To: BP/ARC Contractor														
BP/ARC EBM: Bill Barber		Matrix		No. Containers / Preservative				Requested Analyses				Report Type & QC Level								
EBM Phone: (216)												Standard								
EBM Email:												Full Data Package								
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260	Methane, Ethane, Ethene, Chloride, Nitrate, Nitrite, Sulfate	Dissolved Organic Carbon	Iron, Manganese	BOD	COD	Comments	
	B-17	4/12/10	1300	X			10	7	1	1	2			3	2	2	1	1	1	
	B-44	4/12/10	1520	X			11	7	1	1	2			3	2	2	1	1	1	
Sampler's Name: Richard C Becker		Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time							
Sampler's Company: OTH Enterprises Inc.		Richard C Becker				4/12/10	1800	[Signature]												
Shipment Method: FedEx Ship Date: 4/12/10																				
Shipment Tracking No: 8700928074												4/13/10	0850							
Special Instructions:																				
THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes/No				Temp Blank: Yes/No				Cooler Temp on Receipt: 46 °F				Trip Blank: Yes/No				MS/MSD Sample Submitted: Yes/No				

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 4/13/10

Custody Seal Present *: YES NO

Time of Receipt: 0850

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

Source Code: 50-1

Package: Chilled Not Chilled

Unpacker Emp. No.: 1454

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	0409951	2.6 °C	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:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>John D. Smith</i>	4/13/10	1000	Unpacking to storage
<i>Kristin Leigh</i>	4-13-10	1033	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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ANALYTICAL RESULTS

Prepared for:

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

281-366-2000

Prepared by:

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

April 15, 2010

Project: BP Sanborn

Samples arrived at the laboratory on Thursday, April 08, 2010. The PO# for this group is 0001W-0038 and the release number is BARBER. The group number for this submittal is 1189519.

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-28 Water	5948415
B-21 Water	5948416
Field Dup#2 Water	5948417
B-38 Water	5948418
B-38 Matrix Spike Water	5948419
B-38 Matrix Spike Dup Water	5948420
Quarry Pond Water	5948421
PW-1 Water	5948422
P-2 Water	5948423
PW-4 Water	5948424

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

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: B-28 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-28

LLI Sample # WW 5948415
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 09:40 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSB28

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Analysis Report

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

Page 2 of 2

Sample Description: B-28 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-28

LLI Sample # WW 5948415
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 09:40 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSB28

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	W100991AA	04/09/2010 13:43	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 13:43	Kerri E Koch	1

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

Sample Description: B-21 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-21

LLI Sample # WW 5948416
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 08:55 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSB21

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Analysis Report

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Page 2 of 2

Sample Description: B-21 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-21

LLI Sample # WW 5948416
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 08:55 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd
Houston TX 77079

CSB21

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	W100991AA	04/09/2010 12:10	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 12:10	Kerri E Koch	1

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

Sample Description: Field Dup#2 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY Dup#2

LLI Sample # WW 5948417
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSFD2

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Analysis Report

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

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Sample Description: Field Dup#2 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY Dup#2

LLI Sample # WW 5948417
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd
Houston TX 77079

CSFD2

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	W100991AA	04/09/2010 14:06	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 14:06	Kerri E Koch	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-38 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-38

LLI Sample # WW 5948418
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 12:10 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd
Houston TX 77079

CSB38

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	0.93 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	19	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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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



Analysis Report

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

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Sample Description: B-38 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-38

LLI Sample # WW 5948418
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 12:10 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSB38

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	W100991AA	04/09/2010 12:33	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 12:33	Kerri E Koch	1

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

Sample Description: B-38 Matrix Spike Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-38

LLI Sample # WW 5948419
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 12:10 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSB38

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	20	1.0	5.0	1
10903	Bromobenzene	108-86-1	23	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	21	1.0	5.0	1
10903	Bromomethane	74-83-9	14	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	16	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	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	21	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	23	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	23	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	23	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	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	64	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	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	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	22	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	43	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	22	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	24	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Analysis Report

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

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Sample Description: B-38 Matrix Spike Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-38

LLI Sample # WW 5948419
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 12:10 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd
Houston TX 77079

CSB38

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	W100991AA	04/09/2010 12:56	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 12:56	Kerri E Koch	1

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



Analysis Report

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

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Sample Description: B-38 Matrix Spike Dup Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-38

LLI Sample # WW 5948420
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 12:10 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

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CSB38

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	20	1.0	5.0	1
10903	Bromobenzene	108-86-1	23	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	20	1.0	5.0	1
10903	Bromomethane	74-83-9	14	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	16	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	22	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	19	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	21	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	23	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	23	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	23	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	16	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	23	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	64	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	22	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	22	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	43	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	22	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	24	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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



Analysis Report

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

Page 2 of 2

Sample Description: B-38 Matrix Spike Dup Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY B-38

LLI Sample # WW 5948420
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 12:10 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd
Houston TX 77079

CSB38

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	W100991AA	04/09/2010 13:19	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 13:19	Kerri E Koch	1

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



Analysis Report

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

Page 1 of 2

Sample Description: Quarry Pond Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY Quarry Pon

LLI Sample # WW 5948421
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 11:15 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSQP-

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

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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



Analysis Report

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Page 2 of 2

Sample Description: Quarry Pond Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY Quarry Pon

LLI Sample # WW 5948421
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 11:15 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSQP-

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	W100991AA	04/09/2010 14:29	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 14:29	Kerri E Koch	1

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



Analysis Report

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Page 1 of 2

Sample Description: PW-1 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY PW-1

LLI Sample # WW 5948422
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 13:45 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSPW1

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	11	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	3.4 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	370	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	3.6 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	7.2	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	1,300	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	24	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

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

Sample Description: PW-1 Water
 BP Sanborn COC: 192532
 2040 Cory Dr - Sanborn, NY PW-1

LLI Sample # WW 5948422
LLI Group # 1189519
 NY

Project Name: BP Sanborn

Collected: 04/07/2010 13:45 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSPW1

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	W100991AA	04/09/2010 14:53	Kerri E Koch	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W100991AA	04/09/2010 20:50	Kerri E Koch	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 14:53	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W100991AA	04/09/2010 20:50	Kerri E Koch	10

Sample Description: P-2 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY P-2

LLI Sample # WW 5948423
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 14:15 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSP-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	1.2 J	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	0.98 J	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	270	10	50	10
10903	1,2-Dichloroethane	107-06-2	1.2 J	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	81	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	910	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	9.5	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	0.82 J	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	2,200	8.0	50	10
10903	1,1,2-Trichloroethane	79-00-5	6.9	0.80	5.0	1
10903	Trichloroethene	79-01-6	2,400	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	85	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.

Sample Description: P-2 Water
 BP Sanborn COC: 192532
 2040 Cory Dr - Sanborn, NY P-2

LLI Sample # WW 5948423
LLI Group # 1189519
 NY

Project Name: BP Sanborn

Collected: 04/07/2010 14:15 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

Houston TX 77079

CSP-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	W100991AA	04/09/2010 15:39	Kerri E Koch	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W100991AA	04/09/2010 16:11	Kerri E Koch	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 15:39	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W100991AA	04/09/2010 16:11	Kerri E Koch	10

Sample Description: PW-4 Water
 BP Sanborn COC: 192532
 2040 Cory Dr - Sanborn, NY PW-4

LLI Sample # WW 5948424
LLI Group # 1189519
 NY

Project Name: BP Sanborn

Collected: 04/07/2010 14:35 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd

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CSPW4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
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	3.1 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	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	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

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.



Analysis Report

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Page 2 of 2

Sample Description: PW-4 Water
BP Sanborn COC: 192532
2040 Cory Dr - Sanborn, NY PW-4

LLI Sample # WW 5948424
LLI Group # 1189519
NY

Project Name: BP Sanborn

Collected: 04/07/2010 14:35 by CB

Account Number: 12495

Submitted: 04/08/2010 09:00

Atlantic Richfield(Parsons-NY)

Reported: 04/15/2010 at 15:30

BP Corporation

Discard: 05/16/2010

501 WestLake Park Blvd
Houston TX 77079

CSPW4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W100991AA	04/09/2010 16:34	Kerri E Koch	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W100991AA	04/09/2010 16:34	Kerri E Koch	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/15/10 at 03:30 PM

Group Number: 1189519

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.

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: W100991AA	Sample number(s): 5948415-5948424								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	98		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	95		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	95		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	60		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	88		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	98		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	73		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	100		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	95		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	82		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	96		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	100		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		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	101		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	67		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	92		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	101		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	84		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	92		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	90		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	94		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	95		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	103		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	92		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	93		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	101		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	92		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	90		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	100		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	94		59-120		

Sample Matrix Quality Control

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

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)
Reported: 04/15/10 at 03:30 PM

Group Number: 1189519

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Batch number: W100991AA	Sample number(s): 5948415-5948424 UNSPK: 5948418								
Benzyl Chloride	102	102	62-120	0	30				
Bromobenzene	113	113	82-115	0	30				
Bromodichloromethane	111	109	78-125	2	30				
Bromoform	104	101	60-121	3	30				
Bromomethane	69	68	38-149	1	30				
Carbon Tetrachloride	116	117	81-138	1	30				
Chlorobenzene	115	115	87-124	0	30				
Chloroethane	81	80	51-145	1	30				
2-Chloroethyl Vinyl Ether	106	108	10-151	2	30				
Chloroform	116	115	81-134	1	30				
Chloromethane	100	97	67-154	3	30				
Dibromochloromethane	105	105	74-116	0	30				
Dibromomethane	108	110	83-119	1	30				
1,2-Dichlorobenzene	114	114	84-119	0	30				
1,3-Dichlorobenzene	114	116	86-121	2	30				
1,4-Dichlorobenzene	114	114	85-121	0	30				
Dichlorodifluoromethane	83	82	64-163	0	30				
1,1-Dichloroethane	116	115	84-129	1	30				
1,2-Dichloroethane	113	112	66-141	1	30				
1,1-Dichloroethene	116	115	85-142	1	30				
cis-1,2-Dichloroethene	115	116	85-125	0	30				
trans-1,2-Dichloroethene	116	113	87-126	2	30				
1,2-Dichloropropane	111	113	83-124	2	30				
cis-1,3-Dichloropropene	109	110	75-125	0	30				
trans-1,3-Dichloropropene	105	104	74-119	1	30				
Methylene Chloride	109	108	79-120	1	30				
1,1,1,2-Tetrachloroethane	111	108	82-119	3	30				
1,1,2,2-Tetrachloroethane	109	110	73-119	1	30				
Tetrachloroethene	121	120	80-128	1	30				
1,1,1-Trichloroethane	118	118	80-143	1	30				
1,1,2-Trichloroethane	111	112	77-124	0	30				
Trichloroethene	120	120	88-133	0	30				
Trichlorofluoromethane	108	109	73-152	1	30				
1,2,3-Trichloropropane	111	109	76-118	2	30				
Vinyl Chloride	122	121	66-133	0	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: W100991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5948415	99	100	99	97
5948416	97	101	99	97
5948417	99	101	98	96
5948418	99	101	99	97
5948419	99	100	100	99
5948420	99	101	100	99
5948421	99	100	97	96
5948422	99	102	100	98
5948423	98	102	99	97

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/15/10 at 03:30 PM

Group Number: 1189519

Surrogate Quality Control

5948424	98	101	98	96
Blank	99	100	98	97
LCS	99	102	99	99
MS	99	100	100	99
MSD	99	101	100	99
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

**_This limit was used in the evaluation of the final result for the blank

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

Project Name: BP Sanborn
LLI Group #: 1189519

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.

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:**10903: 8260 Std. Water Master**

Sample #s: 5948415, 5948416, 5948417, 5948418, 5948419, 5948420, 5948421, 5948422, 5948423, 5948424

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.



Acct # 12495 Grp # 1189519 Sample # 5948415-25192532
 Laboratory Management Program LaMP Chain of Custody Record

Page 1 of

BP/ARC Project Name: BP, Sarnon

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

BP/ARC Facility No:

Lab Work Order Number:

Lab Name: Lancaster Labs				BP/ARC Facility Address: 2040 Cony Dr.				Consultant/Contractor: Parsons							
Lab Address: 425 Newtholland Pike Lancaster, Pa 17601				City, State, ZIP Code: Sarnon, NY 14132				Consultant/Contractor Project No:							
Lab PM: Jessica Oknefski				Lead Regulatory Agency: NYSDEC				Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202							
Lab Phone: (717) 656-2300 x1815				California Global ID No.:				Consultant/Contractor PM: George Hermance							
Lab Shipping Acct:				Enfos Proposal No: 0001W-0038				Phone: (716) 407-4990							
Lab Bottle Order No: 88100				Accounting Mode: Provision X OOC-BU OOC-PM				Email EDD To:							
Other Info:				Stage: 50 Activity: 28				Invoice To: BP/ARC Contractor							
BP/ARC EBM: William Barber				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level			
EBM Phone: (216) 271-8038												Standard			
EBM Email:												Full Data Package			
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260	Comments	
	B-28	4/7/10	0940	X			3	X					X		
	B-21	4/7/10	0855	X			3	X					X		
	Field Dup #2	4/7/10		X			3	X					X		
	B-38	4/7/10	1210	X			3	X					X		
	Quarry Pond	4/7/10	1115	X			3	X					X		
	B-38 ms	4/7/10	1210	X			3	X					X		
	B-38 msd	4/7/10	1210	X			3	X					X		
	PW-1	4/7/10	1345	X			3	X					X		
	P-2	4/7/10	1415	X			3	X					X		
	PW-4	4/7/10	1435	X			3	X					X		
Sampler's Name: Chad Becker				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time
Sampler's Company: ORM Enterprises Inc.				Chad Becker				4/7/10	1800						
Shipment Method: Fed EX Ship Date: 4/7/10															
Shipment Tracking No: 868873682355										Delonnia Neslund/LC				4/8/10	0900
Special Instructions:															

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

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP Sanborn

Shipping Container Sealed: YES NO

Date of Receipt: 4/8/10

Custody Seal Present *: YES NO

Time of Receipt: 0900

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

Source Code: 50-1

Package: Chilled Not Chilled

Unpacker Emp. No.: 208

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	0429951	5.1	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

B-28, B-21, B-38 samples include '-M' in designation on label

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Dr. Reslund</u>	<u>4/8/10</u>	<u>1225</u>	Unpacking to storage
<u>Kristin Leigh</u>	<u>4-8-10</u>	<u>1236</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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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

April 26, 2010

Project: BP Sanborn

Submittal Date: 04/20/2010
Group Number: 1190941
PO Number: 0001W-0038
Release Number: BARBER
State of Sample Origin: NYClient Sample DescriptionField Dup #3 Water
B-22 Water
B-23 WaterLancaster Labs (LLI) #5957667
5957668
5957669

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

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TOAttn: George Hermance
Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,


Christine Dulaney
Senior Specialist

Sample Description: Field Dup #3 Water
BP Sanborn COC: 192517
2040 Cory Dr - Sanborn, NY Field Dup

LLI Sample # WW 5957667
LLI Group # 1190941
Account # 12495

Project Name: BP Sanborn

Collected: 04/19/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/20/2010 09:00

BP Corporation

Reported: 04/26/2010 18:33

501 WestLake Park Blvd

Discard: 05/27/2010

Houston TX 77079

SANF3

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	0.87 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	280	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	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	22	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 pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous	RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	6.1 J	5.0	15

Metals	SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	6.26	0.0522	0.200
07058	Manganese	7439-96-5	0.0310	0.00084	0.0050

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

Sample Description: Field Dup #3 Water
BP Sanborn COC: 192517
2040 Cory Dr - Sanborn, NY Field Dup

LLI Sample # WW 5957667
LLI Group # 1190941
Account # 12495

Project Name: BP Sanborn

Collected: 04/19/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/20/2010 09:00

BP Corporation

Reported: 04/26/2010 18:33

501 WestLake Park Blvd

Discard: 05/27/2010

Houston TX 77079

SANF3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	69.9	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	225	6.0	20.0	20
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.7	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.9	1.9	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.

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	Y101112AA	04/21/2010 20:11	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101112AA	04/21/2010 20:11	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101100011A	04/21/2010 11:03	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101121848003	04/23/2010 07:04	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	101121848003	04/23/2010 07:04	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101121848003	04/22/2010 19:00	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10110196601A	04/21/2010 12:58	Ashley M Adams	20
00368	Nitrate Nitrogen	EPA 300.0	1	10110196601A	04/20/2010 17:30	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10110196601A	04/20/2010 17:30	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10110196601A	04/21/2010 12:58	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10111049502A	04/21/2010 02:08	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10113400101A	04/23/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10111023501A	04/21/2010 07:19	Hannah M Royer	1

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

Sample Description: B-22 Water
BP Sanborn COC: 192517
2040 Cory Dr - Sanborn, NY B-22

LLI Sample # WW 5957668
LLI Group # 1190941
Account # 12495

Project Name: BP Sanborn

Collected: 04/19/2010 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/20/2010 09:00

BP Corporation

Reported: 04/26/2010 18:33

501 WestLake Park Blvd

Discard: 05/27/2010

Houston TX 77079

SAN22

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	110	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	3.8 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	30	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
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.					

GC Miscellaneous		RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	N.D.	5.0	15

Metals		SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	0.0728 J	0.0522	0.200	1
07058	Manganese	7439-96-5	0.0034 J	0.00084	0.0050	1

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

Sample Description: B-22 Water
BP Sanborn COC: 192517
2040 Cory Dr - Sanborn, NY B-22

LLI Sample # WW 5957668
LLI Group # 1190941
Account # 12495

Project Name: BP Sanborn

Collected: 04/19/2010 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/20/2010 09:00

BP Corporation

Reported: 04/26/2010 18:33

501 WestLake Park Blvd

Discard: 05/27/2010

Houston TX 77079

SAN22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	91.6	5.0	10.0	25
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	207	7.5	25.0	25
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	2.0	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.3	2.3	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.

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	Y101112AA	04/21/2010 20:32	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101112AA	04/21/2010 20:32	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101100011A	04/21/2010 11:16	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101121848003	04/23/2010 07:07	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	101121848003	04/23/2010 07:07	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101121848003	04/22/2010 19:00	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10110196601A	04/21/2010 13:52	Ashley M Adams	25
00368	Nitrate Nitrogen	EPA 300.0	1	10110196601A	04/20/2010 18:25	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10110196601A	04/20/2010 18:25	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10110196601A	04/21/2010 13:52	Ashley M Adams	25
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10111049502A	04/21/2010 02:15	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10113400101A	04/23/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10111023501A	04/21/2010 07:19	Hannah M Royer	1

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

Sample Description: B-23 Water
BP Sanborn COC: 192517
2040 Cory Dr - Sanborn, NY B-23

LLI Sample # WW 5957669
LLI Group # 1190941
Account # 12495

Project Name: BP Sanborn

Collected: 04/19/2010 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/20/2010 09:00

BP Corporation

Reported: 04/26/2010 18:33

501 WestLake Park Blvd

Discard: 05/27/2010

Houston TX 77079

SAN23

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	1.7 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	0.91 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	280	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	22	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	28	1.0	5.0	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						

GC Miscellaneous	RSKSOP-175 08/11/94 modified	ug/l	ug/l	ug/l	
07105	Ethane	74-84-0	N.D.	1.0	5.0
07105	Ethene	74-85-1	N.D.	1.0	5.0
07105	Methane	74-82-8	6.2 J	5.0	15

Metals	SW-846 6010B	mg/l	mg/l	mg/l	
01754	Iron	7439-89-6	6.33	0.0522	0.200
07058	Manganese	7439-96-5	0.0309	0.00084	0.0050

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

Sample Description: B-23 Water
BP Sanborn COC: 192517
2040 Cory Dr - Sanborn, NY B-23

LLI Sample # WW 5957669
LLI Group # 1190941
Account # 12495

Project Name: BP Sanborn

Collected: 04/19/2010 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 04/20/2010 09:00

BP Corporation

Reported: 04/26/2010 18:33

501 WestLake Park Blvd

Discard: 05/27/2010

Houston TX 77079

SAN23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry EPA 300.0						
00224	Chloride	16887-00-6	69.0	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	224	6.0	20.0	20
EPA 415.1 modified						
07547	Dissolved Organic Carbon	n.a.	1.8	0.50	1.0	1
EPA 410.4						
04001	Chemical Oxygen Demand	n.a.	18.7 J	12.8	50.0	1
SM20 5210 B						
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.2	2.2	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.

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	Y101112AA	04/21/2010 20:53	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101112AA	04/21/2010 20:53	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	101100011A	04/21/2010 11:30	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	101121848003	04/23/2010 07:18	Joanne M Gates	1
07058	Manganese	SW-846 6010B	1	101121848003	04/23/2010 07:18	Joanne M Gates	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	101121848003	04/22/2010 19:00	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	10110196601A	04/21/2010 14:10	Ashley M Adams	20
00368	Nitrate Nitrogen	EPA 300.0	1	10110196601A	04/20/2010 18:43	Ashley M Adams	5
01506	Nitrite Nitrogen	EPA 300.0	1	10110196601A	04/20/2010 18:43	Ashley M Adams	5
00228	Sulfate	EPA 300.0	1	10110196601A	04/21/2010 14:10	Ashley M Adams	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	10111049502A	04/21/2010 02:36	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	10113400101A	04/23/2010 07:40	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	10111023501A	04/21/2010 07:19	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/26/10 at 06:33 PM

Group Number: 1190941

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.

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: Y101112AA Sample number(s): 5957667-5957669									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	106	107	69-120	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	99	98	80-120	1	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	102	100	80-120	3	30
Bromoform	N.D.	1.0	5.0	ug/l	106	108	61-120	1	30
Bromomethane	N.D.	1.0	5.0	ug/l	81	78	44-120	4	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103	99	75-123	4	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	105	102	80-120	3	30
Chloroethane	N.D.	1.0	5.0	ug/l	92	91	49-129	2	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	98	97	56-129	1	30
Chloroform	N.D.	0.80	5.0	ug/l	104	101	77-122	3	30
Chloromethane	N.D.	1.0	5.0	ug/l	103	101	60-129	2	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102	99	80-120	3	30
Dibromomethane	N.D.	1.0	5.0	ug/l	101	99	80-120	2	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	102	80-120	1	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	103	100	80-120	3	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	103	102	80-120	2	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	72	70	54-152	3	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	104	100	79-120	4	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	106	104	70-130	2	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	96	95	74-123	2	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101	99	80-120	2	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103	97	80-120	5	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	106	104	78-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	101	101	80-120	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	102	101	79-120	0	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	103	101	80-120	1	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	103	99	80-120	3	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	107	107	71-120	0	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	97	94	80-121	3	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	104	100	75-127	4	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104	103	80-120	1	30
Trichloroethene	N.D.	1.0	5.0	ug/l	102	98	80-120	3	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	83	80	64-129	3	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	104	104	80-120	0	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	90	88	59-120	3	30
Batch number: 101100011A Sample number(s): 5957667-5957669									
Ethane	N.D.	1.0	5.0	ug/l	107		80-120		
Ethene	N.D.	1.0	5.0	ug/l	107		80-120		
Methane	N.D.	5.0	15	ug/l	105		80-120		
Batch number: 101121848003 Sample number(s): 5957667-5957669									
Iron	N.D.	0.0522	0.200	mg/l	95		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	94		90-110		
Batch number: 10110196601A Sample number(s): 5957667-5957669									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/26/10 at 06:33 PM

Group Number: 1190941

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
Chloride	N.D.	0.20	0.40	mg/l	94		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	102		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	106		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	101		89-110		
Batch number: 10111049502A	Sample number(s): 5957667-5957669								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	98		93-112		
Batch number: 10111023501A	Sample number(s): 5957667-5957669								
Biochemical Oxygen Demand					107	104	85-115	3	8
Batch number: 10113400101A	Sample number(s): 5957667-5957669								
Chemical Oxygen Demand					100		94-110		

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y101112AA	Sample number(s): 5957667-5957669 UNSPK: P957942								
Benzyl Chloride	100		62-120						
Bromobenzene	103		82-115						
Bromodichloromethane	117		78-125						
Bromoform	97		60-121						
Bromomethane	88		38-149						
Carbon Tetrachloride	112		81-138						
Chlorobenzene	107		87-124						
Chloroethane	103		51-145						
2-Chloroethyl Vinyl Ether	0*		10-151						
Chloroform	117		81-134						
Chloromethane	97		67-154						
Dibromochloromethane	96		74-116						
Dibromomethane	105		83-119						
1,2-Dichlorobenzene	106		84-119						
1,3-Dichlorobenzene	106		86-121						
1,4-Dichlorobenzene	105		85-121						
Dichlorodifluoromethane	89		64-163						
1,1-Dichloroethane	110		84-129						
1,2-Dichloroethane	108		66-141						
1,1-Dichloroethene	106		85-142						
cis-1,2-Dichloroethene	104		85-125						
trans-1,2-Dichloroethene	106		87-126						
1,2-Dichloropropane	111		83-124						
cis-1,3-Dichloropropene	90		75-125						
trans-1,3-Dichloropropene	82		74-119						
Methylene Chloride	113		79-120						
1,1,1,2-Tetrachloroethane	103		82-119						
1,1,2,2-Tetrachloroethane	113		73-119						
Tetrachloroethene	102		80-128						
1,1,1-Trichloroethane	112		80-143						

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/26/10 at 06:33 PM

Group Number: 1190941

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	126*		77-124						
Trichloroethene	113		88-133						
Trichlorofluoromethane	100		73-152						
1,2,3-Trichloropropane	107		76-118						
Vinyl Chloride	103		66-133						
Batch number: 101100011A	Sample number(s): 5957667-5957669 UNSPK: P955505								
Ethane	85	97	34-153	13	20				
Ethene	92	103	35-162	12	20				
Methane	85	95	35-157	11	20				
Batch number: 101121848003	Sample number(s): 5957667-5957669 UNSPK: P959015 BKG: P959015								
Iron	509 (2)	725 (2)	75-125	3	20	61.2	62.7	2	20
Manganese	220 (2)	267 (2)	75-125	3	20	6.69	6.93	4	20
Batch number: 10110196601A	Sample number(s): 5957667-5957669 UNSPK: 5957667 BKG: 5957667								
Chloride	100		90-110			69.9	68.5	2	20
Nitrate Nitrogen	107		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	102		90-110			N.D.	N.D.	0 (1)	20
Sulfate	107		90-110			225	222	1	20
Batch number: 10111049502A	Sample number(s): 5957667-5957669 UNSPK: 5957668 BKG: 5957668								
Dissolved Organic Carbon	100		66-125			2.0	2.1	3* (1)	2
Batch number: 10111023501A	Sample number(s): 5957667-5957669 UNSPK: P957630 BKG: P958645								
Biochemical Oxygen Demand	104	103	76-134	1	8	47.7	43.2	10	15
Batch number: 10113400101A	Sample number(s): 5957667-5957669 UNSPK: P958572 BKG: P958572								
Chemical Oxygen Demand	96		90-110			1,150	1,110	4 (1)	5

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260
Batch number: Y101112AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5957667	100	100	101	99
5957668	101	100	100	97
5957669	101	100	100	97
Blank	100	102	100	99
LCS	100	104	101	100
LCSD	101	103	101	100
MS	101	102	102	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 04/26/10 at 06:33 PM

Group Number: 1190941

Surrogate Quality Control

Batch number: 101100011A
Propene

5957667	75
5957668	70
5957669	71
Blank	107
LCS	102
MS	83
MSD	89

Limits: 42-131

*- Outside of specification

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1190941

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.

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:

10903: BTE 8260

Batch #: Y101112AA (Sample number(s): 5957667-5957669 UNSPK: P957942)

The recovery(ies) for the following analyte(s) in the MS was outside the acceptance window: 1,1,2-Trichloroethane, 2-Chloroethyl Vinyl Ether

Sample #s: 5957667, 5957668, 5957669

The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

01754: Iron

Batch #: 101121848003 (Sample number(s): 5957667-5957669 UNSPK: P959015 BKG: P959015)

The recovery for the above analyte in the MS and/or MSD was outside the acceptance window.

07058: Manganese

Batch #: 101121848003 (Sample number(s): 5957667-5957669 UNSPK: P959015 BKG: P959015)

The recovery for the above analyte in the MS and/or MSD was outside the acceptance window.

07547: Dissolved Organic Carbon

Batch #: 10111049502A (Sample number(s): 5957667-5957669 UNSPK: 5957668 BKG: 5957668)

The duplicate RPD for the above analyte exceeded the acceptance window.

Rush TAT: Yes No

Lab Work Order Number:

MS/MSD Sample Submitted: Yes / ☒ No

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 4/20/10

Time of Receipt: 900

Source Code: 501

Unpacker Emp. No.: 2316

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	CH93	4.6°C	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:

3 MBR 4/20/10

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Harry Mark</u>	<u>4/20/10</u>	<u>1020</u>	Unpacking <u>Storage</u>
<u>Mary Beth Reed</u>	<u>4/20/10</u>	<u>1026</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	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.		

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

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.

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

APPENDIX C

WATER QUALITY DATABASE
JANUARY 2001 THROUGH JUNE 2010

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	2	41	ND	3	ND	4	50
07/09/2007	7G10002-01	8260B	ND	ND	ND	ND	ND	ND	33	ND	2	ND	11	46
07/23/2008	5423254	8260B	ND	ND	1.1 J	1 J	ND	4.3 J	190	ND	19	ND	14	229.4
07/08/2009	5719621	8260B	ND	ND	1.4 J	1.4 J	ND	4.5 J	240	ND	16	ND	56	319.3

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- 4M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	2	28	ND	5	ND	20	55
07/09/2007	7G10002-02	8260B	ND	ND	ND	ND	ND	1	24	ND	4	ND	22	51
07/23/2008	5423255	8260B	ND	ND	ND	ND	ND	1.8 J	41	ND	5.1	ND	12	59.9
07/09/2009	5720682	8260B	ND	ND	ND	ND	ND	ND	20	ND	1.8 J	ND	5.1	26.9

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:

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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- 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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (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	8260B	ND	ND	ND	ND	6 B	ND	9	ND	36	ND	ND	51
07/09/2007	7G10002-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	6	ND	ND	8
07/23/2008	5423256	8260B	ND	ND	ND	ND	ND	1.5 J	54	ND	290	ND	3 J	348.5
07/13/2009	5722293	8260B	ND	ND	ND	ND	ND	1 J	20	ND	82	ND	ND	103

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- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	10	ND	99	ND	ND	109
07/18/2006	6G19003-14	8260B	ND	ND	ND	ND	5 B	ND	18	ND	109	ND	ND	132
10/10/2006	6J11002-06	8260B	ND	ND	ND	ND	ND	2	73	ND	414 D	ND	4	493
01/09/2007	7A10006-03	8260B	ND	ND	ND	ND	3 B	ND	21	ND	205 D	ND	ND	229
04/04/2007	7D05011-01	8260B	ND	ND	ND	ND	ND	ND	13	ND	150	ND	ND	163
07/11/2007	7G12003-07	8260B	ND	ND	ND	ND	ND	ND	13	ND	137	ND	ND	150
10/10/2007	7J11002-02	8260B	ND	ND	ND	ND	ND	1	45	ND	258 D	ND	3	307
01/08/2008	8A09005-06	8260B	ND	ND	ND	ND	4	3	99	ND	500 D	ND	ND	606
04/07/2008	8D08002-06	8260B	ND	ND	ND	ND	18 B	ND	33	ND	346	ND	ND	397
07/22/2008	5422164	8260B	ND	ND	ND	ND	ND	1 J	26	ND	230	ND	ND	257
10/17/2008	5502671	8260B	ND	ND	ND	ND	ND	ND	10	ND	95	ND	ND	105
01/15/2009	5578622	8260B	ND	ND	ND	ND	ND	0.92 J	26	ND	210	ND	ND	236.92
04/16/2009	5649163	8260B	ND	ND	ND	ND	ND	0.9 J	27	ND	270	ND	ND	297.9
07/09/2009	5720687	8260B	ND	ND	ND	ND	ND	0.86 J	23	ND	230	ND	ND	253.86
10/06/2009	5799016	8260B	ND	ND	ND	ND	ND	0.89 J	21	ND	190	ND	ND	211.89

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- 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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888924	8260B	ND	ND	ND	ND	ND	0.93 J	36	ND	250	ND	ND	286.93
04/06/2010	5946900	8260B	ND	ND	ND	ND	ND	ND	23	ND	280	ND	ND	303

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- 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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	ND	ND	2	ND	8	ND	ND	10
07/10/2007	7G11015-01	8260B	ND	ND	ND	ND	ND	ND	1	ND	7	ND	ND	8
07/23/2008	5423259	8260B	ND	ND	ND	ND	ND	ND	2.2 J	ND	7.7	ND	ND	9.9
07/08/2009	5719613	8260B	ND	ND	ND	ND	ND	ND	1.5 J	ND	4.9 J	ND	ND	6.4

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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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035104	8021	ND	ND	ND	ND	620	ND	1400	ND	7400	ND	ND	9420
04/24/2001	A1375204	8021	ND	ND	ND	ND	ND	ND	2400	ND	24000	ND	ND	26400
07/11/2001	A1648705	8021	ND	ND	ND	ND	500	ND	700	ND	11000	ND	ND	12200
10/17/2001	A1A23313	8021	ND	ND	ND	ND	980	ND	8500	ND	64000	ND	ND	73480
01/25/2002	A2081501	8021	ND	ND	ND	ND	170	ND	2400	ND	35000 D	ND	ND	37570
04/22/2002	A2391102	8021	ND	ND	ND	ND	540	ND	ND	ND	22000	ND	ND	22540
07/17/2002	A2732602	8021	ND	ND	ND	ND	1500	ND	4700	ND	73000	ND	ND	79200
10/15/2002	A2A23602	8021	ND	ND	ND	ND	ND	ND	7100	ND	41000	ND	ND	48100
01/24/2003	A3075209	8021	ND	ND	ND	ND	ND	ND	1900	ND	10000	ND	ND	11900
04/24/2003	A3389604	8021	ND	ND	ND	ND	530	ND	2100	ND	23000	ND	ND	25630
07/22/2003	A3699407	8021	ND	ND	ND	ND	ND	ND	9500	ND	170000	ND	ND	179500
10/22/2003	A3A28301	8021	ND	ND	ND	ND	ND	ND	5300	ND	85000	ND	ND	90300
01/22/2004	A4057101	8021	ND	ND	ND	ND	ND	330	330	ND	12000	ND	ND	12660
04/30/2004	A4402504	8021	ND	ND	ND	ND	ND	ND	ND	ND	24000	ND	ND	24000
07/19/2004	A4682701	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
07/19/2004	A4682701	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
10/15/2004	A4A20302	8021	ND	ND	ND	3.6	ND	6.5	980 D	ND	15000 D	4	17	16011.1
01/12/2005	A5036104	8260	ND	ND	ND	ND	ND	ND	920	ND	65000 E	ND	ND	65920
01/12/2005	A5036104DL	8260							860 D		51000 D			51860
04/19/2005	A5387403	8260	ND	ND	ND	ND	ND	ND	430	ND	18000	ND	ND	18430
07/15/2005	A5747101	8260/5ML	ND	ND	ND	ND	200	ND	3300	ND	34000 E	ND	320	37820
07/15/2005	A5747101DL	8260/5ML	ND	ND	ND	ND	870 D	ND	2700 D	ND	29000 D	ND	250 D	32820
10/24/2005	A5B97301	8260	ND	ND	0.93 J	12	ND	13	1400 E	0.61 J	12000 E	5.4	42	13473.94
10/24/2005	A5B97301DL	8260	ND	ND	ND	ND	ND	ND	880 D	ND	56000 BD	ND	ND	56880
01/26/2006	A6102405	8260	ND	ND	ND	ND	ND	ND	1000	ND	36000	ND	ND	37000
04/19/2006	6D20002-03RE1	8260B	ND	ND	ND	ND	ND	ND	1020	ND	23200 D	ND	78	24298
07/14/2006	6G14010-01	8260B	ND	ND	ND	20	115	32	3450	ND	58900 D	ND	198	62715
10/09/2006	6J10002-08	8260B	ND	ND	ND	ND	74	ND	975	ND	29100 D	ND	ND	30149
01/09/2007	7A10006-06	8260B	ND	ND	ND	ND	235	ND	2580	ND	48700 D	ND	50	51565
04/12/2007	7D13007-04	8260B	ND	ND	ND	ND	1160	ND	692	ND	17800	ND	ND	19652
07/16/2007	7G17015-05	8260B	ND	ND	ND	ND	1260	ND	4130	ND	71500	ND	ND	76890
10/09/2007	7J10006-05	8260B	ND	ND	ND	ND	ND	ND	6730	ND	120000 D	ND	ND	126730
01/07/2008	8A08003-02RE1	8260B	ND	ND	ND	ND	500	ND	1280	ND	30500	ND	ND	32280
04/09/2008	8D10002-03	8260B	ND	ND	ND	ND	732	ND	4110	ND	101000 D	ND	ND	105842
07/24/2008	5424623	8260B	ND	ND	ND	ND	ND	ND	1400	ND	37000	ND	28 J	38428
10/16/2008	5501565	8260B	ND	ND	ND	ND	ND	ND	4600	ND	32000	ND	200 J	36800
01/15/2009	5578621	8260B	ND	ND	ND	ND	ND	ND	3100	ND	63000	ND	87 J	66187

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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- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2009	5647717	8260B	ND	ND	ND	ND	ND	ND	3100	ND	61000	ND	120 J	64220
07/07/2009	5718472	8260B	ND	ND	ND	ND	ND	ND	1200	ND	25000	ND	30 J	26230
10/07/2009	5800390	8260B	ND	ND	ND	12 J	ND	13 J	1900	ND	32000	ND	79	34004
01/20/2010	5888925	8260B	ND	ND	ND	ND	ND	ND	4600	ND	80000	ND	210 J	84810
04/14/2010	5954138	8260B	ND	ND	ND	ND	ND	ND	2700	ND	84000	ND	ND	86700

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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- 9M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-05	8260B	ND	ND	ND	ND	3	ND	2	ND	3	ND	ND	8
10/09/2006	6J10002-07	8260B	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
01/05/2007	7A05012-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2007	7G11015-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
10/09/2007	7J10006-10	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
01/07/2008	8A08003-03	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
04/07/2008	8D08002-07	8260B	ND	ND	ND	ND	2 B	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417444	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2009	5582424	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2009	5649164	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2009	5718463	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799006	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2010	5888926	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946904	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648708	8021	ND	ND	0.72 J	ND	1.1 J	0.64 J	21	4.3	43	ND	ND	70.76
07/16/2002	A2722907	8021	ND	ND	ND	ND	2.6	ND	14	4.3	56	ND	ND	76.9
04/25/2003	A3389601	8021	ND	ND	ND	ND	1.5 J	ND	10	3.6	52	ND	ND	67.1
07/18/2003	A3689004	8021	ND	ND	ND	ND	ND	ND	7.4	2.6	40	ND	ND	50
10/22/2003	A3A21906	8021	ND	ND	ND	ND	ND	ND	19	5.1	92	ND	ND	116.1
04/29/2004	A4402501	8021	ND	ND	ND	ND	ND	ND	10	3.8	59	ND	ND	72.8
07/16/2004	A4674302	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	8260B	ND	ND	ND	ND	ND	ND	5	3	30	ND	ND	38
07/18/2006	6G19003-01	8260B	ND	ND	ND	ND	4 B	ND	13	6	42	ND	ND	65
10/11/2006	6J12003-07RE1	8260B	ND	ND	ND	ND	ND	ND	9	5	53	ND	ND	67
04/18/2007	7D19009-02	8260B	ND	ND	ND	ND	ND	ND	4	3	27	ND	ND	34
07/10/2007	7G11015-04	8260B	ND	ND	ND	ND	ND	ND	6	4	36	ND	ND	46
10/09/2007	7J10006-11	8260B	ND	ND	ND	ND	ND	1	15	5	51	ND	ND	72
04/09/2008	8D10002-01	8260B	ND	ND	ND	ND	3	ND	7	3	58	ND	ND	71
07/24/2008	5424625	8260B	ND	ND	ND	ND	ND	0.81 J	8.4	4.2 J	43	ND	ND	56.41
10/20/2008	5504259	8260B	ND	ND	ND	ND	ND	0.98 J	12	5.1	61	ND	ND	79.08
04/20/2009	5651166	8260B	ND	ND	ND	ND	ND	ND	5	3 J	35	ND	ND	43
07/07/2009	5718465	8260B	ND	ND	ND	ND	ND	ND	5.5	2.9 J	35	ND	ND	43.4
10/06/2009	5799010	8260B	ND	ND	ND	ND	ND	ND	6.5	3.6 J	46	ND	ND	56.1
04/14/2010	5954139	8260B	ND	ND	ND	ND	ND	ND	3.9 J	2.4 J	31	ND	ND	37.3

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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-11M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	189	ND	1090	30	ND	1309
07/16/2007	7G17015-08	8260B	ND	ND	ND	ND	ND	ND	155	ND	1150	67	ND	1372
07/24/2008	5424624	8260B	ND	ND	ND	ND	ND	0.87 J	170	ND	700	21	ND	891.87
07/07/2009	5718478	8260B	ND	ND	ND	ND	ND	1.8 J	76	ND	470	21	ND	568.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-12M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	9	3	5 B	4	164	8	581 D	ND	6	780
07/09/2007	7G10002-04RE1	8260B	ND	ND	1	ND	ND	ND	20	2	77	ND	ND	100
07/16/2008	5417452	8260B	ND	ND	69	13	ND	7.8 J	560	110	1600	ND	17	2376.8
07/13/2009	5722292	8260B	ND	ND	37	4.3 J	ND	7.1 J	290	78	660	ND	ND	1076.4

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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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	3	1	ND	5	321 D	ND	137	ND	5	472
07/14/2006	6G14010-05	8260B	ND	ND	7	5	9	20	838 D	ND	202	ND	59	1140
10/11/2006	6J12003-01	8260B	ND	ND	3	2	ND	8	368 D	ND	73	ND	19	473
01/10/2007	7A11003-05	8260B	ND	ND	2	ND	ND	2	225 D	ND	84	ND	7	320
04/12/2007	7D13007-01	8260B	ND	ND	1	ND	ND	3	152	ND	63	ND	8	227
07/12/2007	7G13019-08	8260B	ND	ND	3	2	ND	10	437 D	ND	127	ND	25	604
10/09/2007	7J10006-02	8260B	ND	ND	ND	ND	ND	9	413	ND	122	ND	27	571
01/08/2008	8A09005-01	8260B	ND	ND	ND	ND	ND	ND	241	ND	59	ND	ND	300
04/10/2008	8D11008-03	8260B	ND	ND	7	ND	12	6	536	ND	456	ND	18	1035
07/24/2008	5424627	8260B	ND	ND	4.4 J	4.2 J	ND	14	660	ND	210	ND	33	925.6
10/15/2008	5499970	8260B	ND	ND	3.7 J	2.6 J	ND	12	470	ND	180	ND	6.1	674.4
01/14/2009	5577590	8260B	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	8260B	ND	ND	5.2	3.1 J	ND	7	460	3.2 J	460	ND	17	955.5
07/09/2009	5720678	8260B	ND	ND	4.7 J	3.7 J	ND	14	640	0.92 J	230	ND	39	932.32
10/05/2009	5797965	8260B	ND	ND	4.5 J	3 J	ND	9.7	520	ND	180	ND	33	750.2
01/25/2010	5892345	8260B	ND	ND	ND	ND	ND	ND	59	ND	71	ND	1.6 J	131.6
04/13/2010	5953086	8260B	ND	ND	4.2 J	2.6 J	ND	5.8	360	2.3 J	340	ND	19	733.9

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-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	306	ND	1500 D	9	17	1832
07/10/2007	7G11015-02RE1	8260B	ND	ND	ND	ND	ND	ND	67	ND	541	11	ND	619
07/21/2008	5420898	8260B	ND	ND	ND	ND	ND	1.1 J	130	ND	300	3.9 J	ND	435

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-15M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420897	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719628	8260B	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-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418429	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719617	8260B	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-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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	48	39	ND	60	9570 D	ND	7730 D	ND	1210	18657
07/18/2006	6G19003-05	8260B	ND	ND	72	40	212 B	61	8250 D	34	8170 D	ND	1320	18159
10/09/2006	6J10002-09	8260B	ND	ND	66	28	129	36	6730 D	175	12000 D	ND	798	19962
01/09/2007	7A10006-08	8260B	ND	ND	ND	ND	227	ND	5190	ND	12800 D	ND	372	18589
04/12/2007	7D13007-03	8260B	ND	ND	ND	ND	ND	ND	3100	ND	3100	ND	475	6675
07/16/2007	7G17015-01	8260B	ND	ND	ND	ND	ND	ND	8490	ND	2940	ND	1510	12940
10/09/2007	7J10006-08	8260B	ND	ND	ND	ND	277	ND	12300	ND	3150	ND	2540	18267
01/07/2008	8A08003-10	8260B	ND	ND	129	ND	350	ND	4910	ND	3070	ND	718	9177
04/09/2008	8D10002-02	8260B	ND	ND	184	ND	468	ND	5820	70	2530	ND	1020	10092
07/25/2008	5426027	8260B	ND	ND	71	44 J	ND	45 J	8000	11 J	3800	ND	1300	13271
10/14/2008	5498684	8260B	ND	ND	100	50 J	ND	52	11000	10 J	3900	ND	1500	16612
01/14/2009	5577592	8260B	ND	ND	180	39	ND	34	5900	49	2800	5.8 J	910	9917.8
04/15/2009	5647720	8260B	ND	ND	210	49 J	ND	35 J	6600	75	3900	9.4 J	750	11628.4
07/07/2009	5718470	8260B	ND	ND	120	50	ND	62	14000	20 J	3700	ND	2200	20152

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 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-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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800387	8260B	ND	ND	84	52	ND	44	7500	12	4900	2.3 J	960	13554.3
01/20/2010	5888921	8260B	ND	ND	220	39 J	ND	32 J	6300	67	3000	ND	620	10278
04/12/2010	5951990	8260B	ND	ND	260	65	ND	39 J	7400	93	7900	14 J	820	16591

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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-18M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	2	23	ND	1	ND	9	35
07/05/2007	7G06018-01	8260B	ND	ND	ND	ND	ND	1	27	ND	ND	ND	11	39
07/23/2008	5423260	8260B	ND	ND	ND	ND	ND	1.1 J	26	ND	ND	ND	11	38.1
07/07/2009	5718468	8260B	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	5.5	16.5

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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-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
07/14/2006	6G14010-06	8260B	ND	ND	ND	ND	8	ND	3	ND	ND	ND	ND	11
10/11/2006	6J12003-08	8260B	ND	ND	ND	ND	ND	ND	5	ND	1	ND	ND	6
01/08/2007	7A09003-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/12/2007	7D13007-02	8260B	ND	ND	ND	ND	8	ND	4	ND	ND	ND	ND	12
07/10/2007	7G11015-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
10/09/2007	7J10006-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	16	ND	ND	18
01/07/2008	8A08003-05	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
04/10/2008	8D11008-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/16/2008	5417449	8260B	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/15/2008	5499969	8260B	ND	ND	ND	ND	ND	ND	3.8 J	ND	2.2 J	ND	ND	6
01/14/2009	5577589	8260B	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND	2.6
04/14/2009	5646769	8260B	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	1.3 J	4.8
07/09/2009	5720693	8260B	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/05/2009	5797964	8260B	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	2.7
01/25/2010	5892344	8260B	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	2.1

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2010	5953087	8260B	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	2

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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-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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	6 B	ND	ND	ND	ND	ND	ND	6
07/11/2007	7G12003-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422165	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720683	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/11/2007	7A12004-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-02	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/07/2008	8D08002-02	8260B	ND	ND	ND	ND	10 B	ND	ND	ND	ND	ND	ND	10
07/21/2008	5420899	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499966	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576506	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651170	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722289	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799017	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893229	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948416	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035101	8021	ND	1.3	ND	ND	4.2	ND	110	ND	4.4	ND	9.6	129.5
04/23/2001	A1375207	8021	ND	ND	ND	ND	ND	ND	510	ND	50	ND	ND	560
07/18/2001	A1682908	8021	ND	ND	ND	ND	2.5	1	130	ND	13	ND	7	153.5
10/17/2001	A1A23305	8021	ND	ND	ND	ND	ND	1.5	230	ND	13	ND	36	280.5
01/23/2002	A2076701	8021	ND	ND	7.6	4.6	2.1 J	21	1400 D	ND	110 D	ND	9.6	1554.9
04/18/2002	A2378801	8021	ND	ND	ND	ND	0.8 J	ND	130	ND	9.2	ND	36	176
07/15/2002	A2722901	8021	ND	ND	ND	ND	2.2 J	1.4	91	ND	4.9	ND	8.1	107.6
10/15/2002	A2A23601	8021	ND	ND	ND	ND	ND	ND	79	ND	6.2	ND	13	98.2
01/22/2003	A3068901	8021	ND	ND	ND	ND	ND	0.94 J	80	ND	3.2	ND	12	96.14
04/24/2003	A3389602	8021	ND	ND	ND	ND	1.6 J	ND	130	ND	13	ND	30	174.6
07/17/2003	A3683901	8021	ND	ND	ND	ND	ND	ND	140	ND	5	ND	13	158
10/21/2003	A3A21902	8021	ND	ND	ND	ND	ND	ND	160	ND	5.7	ND	2.3	168
04/30/2004	A4402503	8021	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	40	139
07/15/2004	A4674303	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
07/15/2004	A4674303	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
10/18/2004	A4A27701	8021	ND	ND	ND	ND	ND	ND	90	ND	13	ND	ND	103
01/20/2005	A5057501	8260	ND	ND	2.8	1.6	ND	16	300 E	0.34 J	110 E	ND	2.2	432.94
01/20/2005	A5057501DL	8260					33 D	9.4 D	340 D		56 D			438.4
04/26/2005	A5414404	8260	ND	ND	ND	ND	ND	7	250	ND	33	ND	ND	290
07/25/2005	A5790401	8260/5ML	ND	ND	ND	ND	ND	1.6	110	ND	14	ND	7.8	133.4
10/21/2005	A5B92801	8260	ND	ND	ND	ND	ND	0.61 J	36	ND	3.9	ND	1.2 J	41.71
01/24/2006	A6089102	8260	ND	ND	2.9	1.4	ND	15	480 E	ND	90	ND	3.1	592.4
01/24/2006	A6089102DL	8260	ND	ND	ND	ND	ND	15 D	460 D	ND	93 D	ND	ND	568
04/19/2006	6D20002-01	8260B	ND	ND	ND	ND	ND	1	61	ND	17	ND	14	93
07/17/2006	6G18004-05	8260B	ND	ND	ND	ND	ND	ND	29	ND	5	ND	2	36
10/10/2006	6J11002-08	8260B	ND	ND	ND	ND	ND	1	66	ND	10	ND	4	81
01/11/2007	7A12004-02	8260B	ND	ND	3	ND	ND	14	370 D	ND	89	ND	ND	476
04/19/2007	7D20005-01	8260B	ND	ND	ND	ND	ND	5	136	ND	35	ND	5	181
07/18/2007	7G19011-02	8260B	ND	ND	ND	ND	ND	ND	26	ND	5	ND	ND	31
10/11/2007	7J12012-03	8260B	ND	ND	ND	ND	ND	ND	24	ND	4	ND	ND	28
01/09/2008	8A10002-01	8260B	ND	ND	ND	ND	ND	ND	17	ND	3	ND	3	23
04/08/2008	8D09003-07	8260B	ND	ND	2	1	6	10	301 D	ND	95	ND	2	417
07/21/2008	5420900	8260B	ND	ND	ND	ND	ND	ND	24	ND	4.9 J	ND	1.2 J	30.1
10/15/2008	5499967	8260B	ND	ND	ND	ND	ND	ND	29	ND	4.1 J	ND	ND	33.1
01/13/2009	5576505	8260B	ND	ND	3.1 J	2 J	ND	14	460	ND	120	ND	1 J	600.1
04/20/2009	5651167	8260B	ND	ND	ND	ND	ND	3.8 J	150	ND	39	ND	9.9	202.7
07/13/2009	5722290	8260B	ND	ND	ND	ND	ND	ND	27	ND	4.8 J	ND	1.6 J	33.4

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: 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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799012	8260B	ND	ND	ND	ND	ND	1.5 J	70	ND	15	ND	1.1 J	87.6
01/26/2010	5893228	8260B	ND	ND	ND	ND	ND	4.8 J	120	ND	44	ND	ND	168.8
04/19/2010	5957668	8260B	ND	ND	ND	ND	ND	3.8 J	110	ND	30	ND	ND	143.8

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	1	ND	ND	1	272 D	ND	9	ND	17	300
07/20/2006	6G21005-05	8260B	ND	ND	ND	ND	25	ND	309	ND	ND	ND	39	373
10/10/2006	6J11002-02RE1	8260B	ND	ND	1	ND	ND	2	243 D	ND	10	ND	28	284
01/08/2007	7A09003-01	8260B	ND	ND	ND	ND	ND	ND	238	ND	182	ND	ND	420
04/18/2007	7D19009-01	8260B	ND	ND	2	ND	ND	2	239 D	ND	41	ND	17	301
07/11/2007	7G12003-01	8260B	ND	ND	ND	ND	ND	ND	178	ND	8	ND	24	210
10/10/2007	7J11002-03	8260B	ND	ND	1	ND	ND	ND	272 D	ND	2	ND	34	309
01/08/2008	8A09005-04	8260B	ND	ND	ND	ND	ND	4	171	ND	71	ND	11	257
04/09/2008	8D10002-04	8260B	ND	ND	2	1	2	2	292 D	ND	21	ND	24	344
07/25/2008	5426028	8260B	ND	ND	1.1 J	ND	ND	0.87 J	270	ND	1.8 J	ND	58	331.77
10/17/2008	5502673	8260B	ND	ND	1.2 J	ND	ND	0.9 J	280	ND	1.5 J	ND	37	320.6
01/13/2009	5576509	8260B	ND	ND	2.2 J	0.96 J	ND	2.3 J	270	ND	53	ND	17	345.46
04/13/2009	5647710	8260B	ND	ND	1.4 J	ND	ND	1.6 J	260	ND	21	ND	11	295
07/14/2009	5723623	8260B	ND	ND	1.2 J	ND	ND	0.93 J	290	ND	2.8 J	ND	33	327.93
10/05/2009	5797962	8260B	ND	ND	1.1 J	ND	ND	0.93 J	260	ND	4.8 J	ND	29	295.83

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-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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2010	5889953	8260B	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	8260B	ND	ND	1.7 J	0.91 J	ND	1.3 J	280	ND	22	ND	28	333.91

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
07/19/2006	6G20004-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2006	6J11002-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	2	ND	ND	3
01/08/2007	7A09003-02	8260B	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
04/04/2007	7D05011-02	8260B	ND	ND	ND	ND	3	ND	1	ND	3	ND	ND	7
07/11/2007	7G12003-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2007	7J11002-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-05	8260B	ND	ND	ND	ND	ND	ND	6	ND	12	ND	ND	18
04/07/2008	8D08002-05	8260B	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
07/28/2008	5426821	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/17/2008	5502674	8260B	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	4.3
01/13/2009	5576514	8260B	ND	ND	ND	ND	ND	ND	1.1 J	ND	4.2 J	ND	ND	5.3
04/13/2009	5647711	8260B	ND	ND	ND	ND	ND	ND	0.99 J	ND	3.2 J	ND	ND	4.19
07/15/2009	5724678	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/05/2009	5797963	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3
01/21/2010	5889950	8260B	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.6 J	ND	ND	3.55
04/06/2010	5946905	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	2.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-25M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639714	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664208	8021	ND	ND	ND	ND	ND	ND	1.4	ND	1.3	ND	ND	2.7
07/12/2005	A5733105	8260/5ML	ND	ND	ND	ND	ND	ND	0.68 J	ND	1.3	ND	ND	1.98

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-26M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/18/2007	7G19011-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/24/2008	5424621	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723631	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-27M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-06RE1	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
10/10/2006	6J11002-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/2007	7A12004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420901	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499968	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576507	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651173	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722291	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799013	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893227	8260B	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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/07/2010	5948415	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	3	ND	43	ND	8	ND	3	57
07/11/2007	7G12003-02	8260B	ND	ND	ND	ND	ND	ND	30	ND	6	ND	3	39
07/25/2008	5426025	8260B	ND	ND	ND	ND	ND	ND	19	ND	3 J	ND	1.8 J	23.8
07/14/2009	5723624	8260B	ND	ND	ND	ND	ND	ND	17	ND	1.7 J	ND	2.6 J	21.3

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-31M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/18/2007	7G19011-06	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/24/2008	5424622	8260B	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.1 J	ND	ND	4.2
07/14/2009	5723632	8260B	ND	ND	ND	ND	ND	ND	8.5	ND	4 J	ND	ND	12.5

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052401	8021	ND	ND	0.29 J	0.23 J	ND	1.8	47	ND	0.67 J	ND	7.5	57.49
04/18/2001	A1361303	624	ND	ND	ND	ND	ND	0.48	10	ND	ND	ND	1.1	11.58
07/18/2001	A1682902	8021	ND	ND	ND	ND	ND	0.61 J	38	ND	ND	ND	9.3	47.91
10/19/2001	A1A28802	8021	ND	ND	ND	ND	ND	0.81 J	56	ND	0.6 J	ND	9.4	66.81
01/14/2002	A2039403	8021	ND	ND	ND	ND	0.54 J	0.56 J	28	ND	1.1 J	ND	3.9	34.1
04/08/2002	A2332603	8260	ND	ND	ND	ND	ND	0.71 J	57	ND	0.68 J	ND	4.8	63.19
04/16/2002	A2369801	8021	ND	ND	0.34 J	0.27 J	ND	ND	62 D	ND	1.6	ND	5.8	70.01
07/08/2002	A2695505	8021	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	2.8	34.8
10/09/2002	A2A07901	8021	ND	ND	ND	ND	ND	0.93 J	56	ND	ND	ND	9.7	66.63
01/13/2003	A3038005	8021	ND	ND	ND	ND	ND	ND	42	ND	1.9	ND	5.2	49.1
04/24/2003	A3389501	8021	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	4.9	60.9
07/16/2003	A3684101	8021	ND	ND	ND	ND	ND	0.74 J	42	ND	0.51 J	ND	2.8	46.05
10/21/2003	A3A22001	8021	ND	ND	ND	ND	ND	0.91 J	61	ND	ND	ND	8.6	70.51
01/07/2004	A4012304	8021	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	3.4	41.4
04/23/2004	A4372904	8021	ND	ND	ND	ND	ND	ND	36	ND	1.3	ND	2.8	40.1
07/20/2004	A4682903	8260	ND	ND	ND	ND	2.2 J	0.76 J	31	ND	0.83 J	ND	ND	34.79
07/20/2004	A4682903	8021	ND	ND	ND	ND	ND	ND	39 E	ND	ND	ND	2.5 E	41.5
10/20/2004	A4A32101	8021	ND	31	ND	ND	ND	0.52 J	ND	ND	0.67 J	ND	4.3	36.49
01/13/2005	A5036405	8260	ND	ND	0.81 J	0.61 J	ND	1.3	71 E	ND	17	ND	3.4	94.12
01/13/2005	A5036405DL	8260							69 D		16 D		2.8 D	87.8
04/19/2005	A5387302	8260	ND	ND	0.45 J	0.48 J	ND	0.4 J	42 E	ND	7.3	ND	3.9	54.53
04/19/2005	A5387302DL	8260	ND	ND	ND	ND	1.9 DJ	ND	34 D	ND	5.8 D	ND	3 D	44.7
07/19/2005	A5762201	8260/5ML	ND	ND	ND	ND	ND	1.1	39	ND	ND	ND	10	50.1
07/20/2006	6G21005-07	8260B	ND	ND	ND	ND	2	1	35	ND	ND	ND	7	45
07/10/2007	7G11015-08	8260B	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	5	33
07/25/2008	5426032	8260B	ND	ND	ND	ND	ND	1.4 J	31	ND	ND	ND	6.8	39.2
07/14/2009	5723630	8260B	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	10	31

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-33M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/10/2007	7G11015-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426033	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723628	8260B	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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-37M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260B	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260B	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260B	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260B	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260B	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260B	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57
01/09/2008	8A10002-04	8260B	ND	ND	ND	ND	ND	ND	63	ND	29	ND	3	95
04/08/2008	8D09003-01	8260B	ND	ND	ND	ND	2 B	ND	39	ND	12	ND	ND	53
07/25/2008	5426024	8260B	ND	ND	ND	ND	ND	0.88 J	48	ND	21	ND	ND	69.88
10/14/2008	5498683	8260B	ND	ND	ND	ND	ND	ND	46	ND	25	ND	ND	71
01/21/2009	5582432	8260B	ND	ND	ND	ND	ND	ND	54	ND	19	ND	1.4 J	74.4
04/20/2009	5651169	8260B	ND	ND	ND	ND	ND	1 J	64	ND	23	ND	2 J	90
07/13/2009	5722288	8260B	ND	ND	ND	ND	ND	ND	50	ND	20	ND	ND	70

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799015	8260B	ND	ND	ND	ND	ND	ND	41	ND	17	ND	ND	58
01/21/2010	5889954	8260B	ND	ND	ND	ND	ND	0.99 J	59	ND	24	ND	ND	83.99
04/07/2010	5948418	8260B	ND	ND	ND	ND	ND	0.93 J	41	ND	19	ND	ND	60.93

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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
07/18/2006	6G19003-03	8260B	ND	ND	ND	ND	4 B	ND	7	ND	7	ND	ND	18
10/11/2006	6J12003-06RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
01/09/2007	7A10006-04	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/17/2007	7D18003-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	5	ND	ND	7
07/16/2007	7G17015-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
10/15/2007	7J16003-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	14	ND	ND	18
04/15/2008	8D16011-02	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	3	ND	ND	8
07/24/2008	5424626	8260B	ND	ND	ND	ND	ND	ND	0.9 J	ND	4.1 J	ND	ND	5
10/16/2008	5501559	8260B	ND	ND	ND	ND	ND	ND	0.87 J	ND	3 J	ND	ND	3.87
01/21/2009	5582425	8260B	ND	ND	ND	ND	ND	ND	0.86 J	ND	2.5 J	ND	ND	3.36
04/16/2009	5649168	8260B	ND	ND	ND	ND	ND	ND	1.7 J	ND	4.1 J	ND	ND	5.8
07/07/2009	5718467	8260B	ND	ND	ND	ND	ND	ND	1.4 J	ND	3 J	ND	ND	4.4

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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-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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800391	8260B	ND	ND	ND	ND	ND	ND	1 J	ND	2 J	ND	ND	3
01/25/2010	5892341	8260B	ND	ND	ND	ND	ND	ND	2.4 J	ND	5.9	ND	ND	8.3
04/15/2010	5955535	8260B	ND	ND	ND	ND	ND	ND	1.7 J	ND	5.1	ND	ND	6.8

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
07/18/2006	6G19003-04	8260B	ND	ND	ND	ND	5 B	ND	4	ND	1	ND	ND	10
10/11/2006	6J12003-05	8260B	ND	ND	ND	ND	ND	ND	5	ND	2	ND	ND	7
01/05/2007	7A05012-04	8260B	ND	ND	ND	ND	3 B	ND	6	ND	3	ND	ND	12
04/17/2007	7D18003-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
07/16/2007	7G17015-10	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
10/15/2007	7J16003-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
01/09/2008	8A10002-06	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
04/15/2008	8D16011-03	8260B	ND	ND	ND	ND	4 B	ND	4	ND	3	ND	ND	11
07/23/2008	5423261	8260B	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.6 J	ND	ND	4.7
10/16/2008	5501558	8260B	ND	ND	ND	ND	ND	ND	6.1	ND	3.2 J	ND	ND	9.3
01/21/2009	5582426	8260B	ND	ND	ND	ND	ND	ND	5.9	ND	2.9 J	ND	ND	8.8
04/16/2009	5649167	8260B	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.5 J	ND	ND	6.4
07/07/2009	5718466	8260B	ND	ND	ND	ND	ND	ND	2.7 J	ND	1.7 J	ND	ND	4.4
10/07/2009	5800392	8260B	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:

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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-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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892342	8260B	ND	ND	ND	ND	ND	ND	4.1 J	ND	2.6 J	ND	ND	6.7
04/15/2010	5955536	8260B	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.7 J	ND	ND	6.6

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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-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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035108	8021	ND	ND	ND	ND	ND	1.3	3.1	ND	0.37 J	ND	ND	4.77
04/19/2001	A1361312	624	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	0.45
07/10/2001	A1648709	8021	ND	ND	ND	ND	ND	0.55 J	1.6	ND	0.38 J	ND	ND	2.53
10/18/2001	A1A23308	8021	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	100
01/23/2002	A2076802RI	8021	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	3.5
04/15/2002	A2370101	8021	ND	ND	ND	ND	ND	ND	1.8	ND	1 J	ND	ND	2.8
07/15/2002	A2723101	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.47 J	ND	ND	1.67
10/08/2002	A2999207	8021	ND	ND	ND	ND	ND	0.38 J	1.4	ND	0.84 J	ND	ND	2.62
01/21/2003	A3069004	8021	ND	ND	ND	ND	ND	0.44 J	1.5	ND	0.81 J	ND	ND	2.75
04/28/2003	A3399801	8021	ND	ND	ND	ND	ND	0.57 J	2.3	ND	ND	ND	ND	2.87
07/17/2003	A3683705	8021	ND	ND	ND	ND	ND	0.52 J	2.3	ND	0.65 J	ND	ND	3.47
10/17/2003	A3A09005	8021	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.7
01/21/2004	A4053204	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/30/2004	A4402402	8021	ND	ND	ND	ND	ND	1.2	3.1	ND	ND	ND	ND	4.3
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/18/2006	6G19003-02	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
10/12/2006	6J16007-01RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2007	7A10006-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
04/17/2007	7D18003-03	8260B	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
07/16/2007	7G17015-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
10/15/2007	7J16003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2008	8A10002-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/16/2008	8D16026-01	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
07/16/2008	5417443	8260B	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/16/2008	5501557	8260B	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	4.6
01/21/2009	5582427	8260B	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	1.5 J	7.4
04/16/2009	5649169	8260B	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	1.4 J	8.2
07/07/2009	5718464	8260B	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND	ND	4.3
10/07/2009	5800393	8260B	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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892343	8260B	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
04/15/2010	5955537	8260B	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	1.8 J	7.8

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	6	ND	4	ND	ND	10
07/18/2006	6G19003-08	8260B	ND	ND	ND	ND	5 B	ND	7	ND	3	ND	ND	15
10/11/2006	6J12003-03	8260B	ND	ND	ND	ND	ND	1	10	ND	4	ND	ND	15
01/10/2007	7A11003-01	8260B	ND	ND	ND	ND	ND	ND	3	ND	2	ND	ND	5
04/16/2007	7D17002-01	8260B	ND	ND	ND	ND	ND	ND	5	ND	3	ND	ND	8
07/16/2007	7G17015-02	8260B	ND	ND	ND	ND	2	ND	3	ND	2	ND	ND	7
10/09/2007	7J10006-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-02	8260B	ND	ND	ND	ND	ND	ND	8	ND	4	ND	ND	12
04/14/2008	8D15002-01	8260B	ND	ND	ND	ND	2 B	ND	6	ND	3	ND	ND	11
07/23/2008	5423257	8260B	ND	ND	ND	ND	ND	0.81 J	6.8	ND	2.4 J	ND	ND	10.01
10/16/2008	5501561	8260B	ND	ND	ND	ND	ND	ND	16	ND	31	ND	ND	47
01/21/2009	5582431	8260B	ND	ND	ND	ND	ND	ND	6.8	ND	5 J	ND	ND	11.8
04/15/2009	5647725	8260B	ND	ND	ND	ND	ND	1.3 J	11	ND	3.7 J	ND	ND	16
07/07/2009	5718476	8260B	ND	ND	ND	ND	ND	0.98 J	7.8	ND	2.7 J	ND	ND	11.48
10/07/2009	5800382	8260B	ND	ND	ND	ND	ND	ND	6.8	ND	2.6 J	ND	ND	9.4

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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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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888920	8260B	ND	ND	ND	ND	ND	0.81 J	8.3	ND	2.6 J	ND	ND	11.71
04/13/2010	5953085	8260B	ND	ND	ND	ND	ND	1.6 J	14	ND	3.7 J	ND	ND	19.3

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	12	ND	3	ND	3	18
07/18/2006	6G19003-07	8260B	ND	ND	ND	ND	4 B	ND	8	ND	4	ND	ND	16
10/11/2006	6J12003-02	8260B	ND	ND	ND	ND	ND	1	12	ND	36	ND	ND	49
01/10/2007	7A11003-02	8260B	ND	ND	ND	ND	ND	ND	12	ND	5	ND	4	21
04/16/2007	7D17002-02	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	ND	11
07/16/2007	7G17015-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	3	14
10/10/2007	7J11002-07	8260B	ND	ND	ND	ND	ND	ND	8	ND	3	ND	2	13
01/14/2008	8A15002-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	2	13
04/14/2008	8D15002-02	8260B	ND	ND	ND	ND	3 B	ND	5	ND	ND	ND	ND	8
07/23/2008	5423258	8260B	ND	ND	ND	ND	ND	ND	8.5	ND	2.3 J	ND	2.6 J	13.4
10/16/2008	5501560	8260B	ND	ND	ND	ND	ND	ND	10	ND	2.8 J	ND	3.1 J	15.9
01/15/2009	5578617	8260B	ND	ND	ND	ND	ND	ND	9.1	ND	5.3	ND	2.5 J	16.9
04/15/2009	5647721	8260B	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	2.2 J	9.4
07/07/2009	5718475	8260B	ND	ND	ND	ND	ND	ND	8.4	ND	2 J	ND	2.6 J	13
10/07/2009	5800384	8260B	ND	ND	ND	ND	ND	ND	7.7	ND	2.7 J	ND	2.1 J	12.5

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888917	8260B	ND	ND	ND	ND	ND	ND	6	ND	1.7 J	ND	1.5 J	9.2
04/13/2010	5953084	8260B	ND	ND	ND	ND	ND	ND	5.9	ND	2.6 J	ND	ND	8.5

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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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-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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	7	ND	ND	ND	7	ND	2	ND	8	24
07/18/2006	6G19003-06	8260B	ND	ND	7	ND	11 B	ND	8	ND	3	ND	5	34
10/11/2006	6J12003-04	8260B	ND	ND	8	ND	ND	ND	12	ND	6	ND	9	35
01/10/2007	7A11003-03	8260B	ND	ND	6	ND	ND	ND	5	ND	10	ND	6	27
04/17/2007	7D18003-04	8260B	ND	ND	5	ND	ND	ND	1	ND	ND	ND	3	9
07/16/2007	7G17015-04	8260B	ND	ND	7	ND	ND	ND	8	ND	5	ND	7	27
10/10/2007	7J11002-08	8260B	ND	ND	6	ND	ND	ND	7	ND	4	ND	4	21
01/14/2008	8A15002-04	8260B	ND	ND	7	ND	ND	ND	9	ND	5	ND	6	27
04/15/2008	8D16011-01	8260B	ND	ND	5	ND	4 B	ND	4	ND	2	ND	4	19
07/28/2008	5426819	8260B	ND	ND	7.7	ND	ND	ND	8.1	ND	5.2	ND	7.2	28.2
10/16/2008	5501564	8260B	ND	ND	9.6	ND	ND	ND	11	ND	6.7	ND	7.5	34.8
01/15/2009	5578616	8260B	ND	ND	8.3	ND	ND	ND	8.9	ND	7.4	ND	6.3	30.9
04/15/2009	5647726	8260B	ND	ND	7	ND	ND	ND	5.8	ND	4.4 J	ND	5 J	22.2
07/07/2009	5718477	8260B	ND	ND	8.6	ND	ND	ND	9.5	ND	5.7	ND	6.9	30.7
10/07/2009	5800386	8260B	ND	ND	9	ND	ND	ND	9.3	ND	5.7	ND	9.1	33.1
01/20/2010	5888916	8260B	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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/12/2010	5951991	8260B	ND	ND	7	ND	ND	ND	5.7	ND	3.4 J	ND	6	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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/10/2007	7G11015-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426026	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	1.3
07/14/2009	5723627	8260B	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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-46M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	3	1	59	ND	7	ND	4	74
07/10/2007	7G11015-11RE1	8260B	ND	ND	ND	ND	ND	ND	33	ND	5	ND	2	40
07/25/2008	5426034	8260B	ND	ND	ND	ND	ND	ND	18	ND	1.2 J	ND	2.7 J	21.9
07/14/2009	5723629	8260B	ND	ND	ND	ND	ND	ND	28	ND	4.3 J	ND	3.2 J	35.5

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	2	ND	ND	ND	3	ND	ND	5
07/21/2006	6G21018-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	4	ND	ND	6
10/12/2006	6J16007-03RE1	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
01/05/2007	7A05012-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
04/11/2007	7D12002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/12/2007	7G13019-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
10/11/2007	7J12012-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/24/2008	5424628	8260B	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.9 J	ND	ND	3.85
10/15/2008	5499971	8260B	ND	ND	ND	ND	ND	ND	1.4 J	ND	2.9 J	ND	ND	4.3
01/14/2009	5577591	8260B	ND	ND	ND	ND	ND	ND	1.3 J	ND	2.7 J	ND	ND	4
04/14/2009	5646767	8260B	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/09/2009	5720681	8260B	ND	ND	ND	ND	ND	ND	1.1 J	ND	2.4 J	ND	ND	3.5
10/05/2009	5797960	8260B	ND	ND	ND	ND	ND	ND	0.91 J	ND	2.3 J	ND	ND	3.21
01/21/2010	5889955	8260B	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-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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954142	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7

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-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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/21/2006	6G21018-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2006	6J16007-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/05/2007	7A05012-02	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
04/11/2007	7D12002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-05	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417445	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499972	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2009	5577588	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2009	5646768	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720679	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797959	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889957	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954141	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-50M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043903	8021	ND	ND	ND	ND	ND	ND	1.7	ND	5.8	ND	ND	7.5
04/17/2001	A1345703	624	ND	ND	ND	ND	ND	ND	ND	ND	8.6	ND	ND	8.6
07/13/2001	A1663810	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	6	ND	ND	6.32
10/10/2001	A1994704	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	6.1	ND	ND	6.48
01/22/2002	A2066011RE	8021	ND	ND	ND	ND	ND	ND	2.2	ND	10	ND	ND	12.2
04/11/2002	A2348303	8021	ND	ND	ND	ND	ND	ND	4.7	ND	16	ND	ND	20.7
07/12/2002	A2713908	8021	ND	ND	ND	ND	ND	ND	7.2	ND	19	ND	ND	26.2
10/08/2002	A2999310	8021	ND	ND	ND	ND	ND	0.26 J	6	ND	10	ND	ND	16.26
01/20/2003	A3060802	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
04/29/2003	A3398703	8021	ND	ND	ND	ND	ND	ND	2.4	ND	18	ND	ND	20.4
07/16/2003	A3683702	8021	ND	ND	ND	ND	ND	0.2 J	3.6	ND	14	ND	ND	17.8
10/16/2003	A3A09001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2004	A4373002	8021	ND	ND	ND	ND	ND	ND	23	ND	28	ND	ND	51
07/20/2004	A4682801	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
07/20/2004	A4682801	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
10/22/2004	A4A48002	8021	ND	ND	ND	ND	ND	0.87 J	23	ND	32	ND	0.59 J	56.46
01/17/2005	A5044301	8260	ND	ND	ND	ND	ND	0.67 J	12	ND	27	ND	ND	39.67
04/19/2005	A5387501	8260	ND	ND	ND	ND	ND	1.1	16	ND	56 E	ND	ND	73.1
04/19/2005	A5387501DL	8260	ND	ND	ND	ND	ND	1.1 D	15 D	ND	55 D	ND	ND	71.1
07/22/2005	A5778501	8260/5ML	ND	ND	ND	ND	ND	1.2	15	ND	51	ND	ND	67.2
07/18/2006	6G19003-11RE1	8260B	ND	ND	ND	ND	ND	ND	14	ND	44	ND	ND	58
07/12/2007	7G13019-01	8260B	ND	ND	ND	ND	ND	ND	19	ND	69	ND	ND	88
07/22/2008	5422168	8260B	ND	ND	ND	ND	ND	1.6 J	25	ND	91	ND	ND	117.6
07/09/2009	5720686	8260B	ND	ND	ND	ND	ND	ND	9.2	ND	51	ND	ND	60.2

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-51M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
07/11/2007	7G12003-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422169	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720688	8260B	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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422160	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720691	8260B	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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/12/2007	7G13019-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/22/2008	5422161	8260B	ND	ND	ND	ND	ND	ND	6.9	ND	26	ND	ND	32.9
07/09/2009	5720692	8260B	ND	ND	ND	ND	ND	ND	2.9 J	ND	9.4	ND	ND	12.3

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-54M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422162	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720689	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422163	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720690	8260B	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-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260B	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260B	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260B	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260B	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35
01/08/2008	8A09005-07	8260B	ND	ND	1	ND	4	ND	23	2	60	ND	ND	90
04/07/2008	8D08002-04	8260B	ND	ND	ND	ND	ND	ND	6	ND	20	ND	ND	26
07/28/2008	5426818	8260B	ND	ND	ND	ND	ND	ND	6.9	ND	19	ND	ND	25.9
10/17/2008	5502675	8260B	ND	ND	2 J	ND	ND	1.4 J	41	2 J	110	ND	1.2 J	157.6
01/13/2009	5576512	8260B	ND	ND	1 J	ND	ND	ND	23	1.3 J	73	ND	ND	98.3
04/13/2009	5647712	8260B	ND	ND	ND	ND	ND	ND	17	ND	64	ND	ND	81

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/15/2009	5724675	8260B	ND	ND	ND	ND	ND	0.87 J	21	ND	82	ND	ND	103.87
10/05/2009	5797969	8260B	ND	ND	ND	ND	ND	ND	17	ND	72	ND	ND	89
01/21/2010	5889952	8260B	ND	ND	ND	ND	ND	ND	5.3	ND	32	ND	ND	37.3
04/06/2010	5946902	8260B	ND	ND	ND	ND	ND	ND	16	ND	97	ND	ND	113

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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2007	7A09003-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2007	7J11002-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-03	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/28/2008	5426820	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2008	5502678	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576515	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	1.6
04/13/2009	5647716	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724674	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797968	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889951	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946908	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/28/2008	5426822	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724673	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-59M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	4	ND	3	ND	3	ND	ND	10
07/17/2007	7G18027-09	8260B	ND	ND	ND	ND	ND	1	4	ND	3	ND	ND	8
07/21/2008	5420892	8260B	ND	ND	ND	ND	ND	0.8 J	1.1 J	ND	ND	ND	ND	1.9
07/08/2009	5719627	8260B	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-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420895	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719625	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420896	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719626	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/17/2007	7G18027-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418423	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719616	8260B	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418424	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719620	8260B	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-64M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
07/17/2007	7G18027-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418425	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719619	8260B	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-65M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418426	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719618	8260B	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-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418427	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719614	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-67M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418428	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719615	8260B	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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: DNAPL Sump														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/25/2001	A1382102	8021	ND	ND	ND	ND	ND	ND	2300	ND	14000 D	ND	56	16356
07/12/2001	A1663804	8021	ND	ND	ND	ND	1.7 J	ND	120	ND	63	ND	2.5	187.2
01/25/2002	A2081502	8021	ND	ND	ND	13	1 J	15	4900 D	ND	1600 D	1.3	9.1	6539.4
04/19/2002	A2384301	8021	ND	ND	ND	ND	ND	ND	5900	ND	5000	ND	130	11030
07/16/2002	A2722915	8021	ND	ND	ND	ND	160	ND	3000	ND	5500	ND	240	8900
10/09/2002	A2A07506	8021	ND	ND	ND	ND	ND	ND	4400	ND	6600	ND	ND	11000
01/23/2003	A3075206	8021	ND	ND	ND	ND	ND	ND	2800	ND	16000	ND	ND	18800
04/10/2003	A3335401	8021	ND	ND	ND	ND	180	ND	2100	ND	2400	ND	190	4870
07/10/2003	A3654306	8021	ND	ND	ND	ND	ND	ND	1700	ND	3400	ND	110	5210

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	124	24	11	7	638	1020	7800 D	ND	18	9642
07/11/2006	6G12005-03	8260B	ND	ND	102	14	22	ND	621	411	6850 D	ND	13	8033
10/09/2006	6J10002-03	8260B	ND	ND	146	23	ND	6	322	1130 D	2770 D	ND	12	4409
01/10/2007	7A11003-04	8260B	ND	ND	135	17	12	ND	368	919	4950 D	ND	10	6411
04/03/2007	7D04039-01	8260B	ND	ND	110	23	164	9	792	897	9730 D	ND	24	11749
07/05/2007	7G06018-04	8260B	ND	ND	148	ND	ND	ND	10400	936	372	ND	ND	11856
10/10/2007	7J11002-01RE1	8260B	ND	ND	36	ND	ND	ND	2190	50	3380	ND	80	5736
01/07/2008	8A08003-09	8260B	ND	ND	86	ND	86	ND	629	722	524	ND	ND	2047
04/08/2008	8D09003-04	8260B	ND	ND	102	15	ND	ND	1290	382	366	ND	90	2245
07/16/2008	5417447	8260B	ND	ND	120	11 J	ND	6 J	2000	210	95	ND	390	2832
10/14/2008	5498678	8260B	ND	ND	190	3.1 J	ND	5 J	1200	120	97	ND	21	1636.1
01/21/2009	5582428	8260B	ND	ND	86	7.6	ND	5	920	100	280	ND	70	1468.6
04/16/2009	5649165	8260B	ND	ND	190	31	ND	5.1	780	1100	260	ND	160	2526.1
07/13/2009	5722296	8260B	ND	ND	82	19	ND	7.9 J	1700	350	420	ND	150	2728.9
10/07/2009	5800381	8260B	ND	ND	460	62	ND	2.9 J	500	2800	250	ND	65	4139.9

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- 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- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/26/2010	5893226	8260B	ND	ND	270	39	ND	ND	490	2300	320	ND	39	3458
04/07/2010	5948423	8260B	ND	0.98 J	270	81	ND	9.5	910	2200	2400	0.82 J	85	5957.3

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:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260B	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260B	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260B	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260B	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260B	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260B	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64
01/07/2008	8A08003-07	8260B	ND	ND	ND	ND	ND	1	25	ND	ND	ND	ND	26
04/08/2008	8D09003-02	8260B	ND	ND	ND	ND	3 B	2	67	ND	ND	ND	ND	72
07/16/2008	5417454	8260B	ND	ND	ND	ND	ND	3.6 J	92	ND	ND	ND	ND	95.6
10/14/2008	5498679	8260B	ND	ND	ND	ND	ND	1.5 J	55	ND	ND	ND	ND	56.5
01/21/2009	5582429	8260B	ND	ND	ND	ND	ND	1.3 J	33	ND	ND	ND	1.2 J	35.5
04/15/2009	5647723	8260B	ND	ND	ND	ND	ND	1.6 J	46	ND	ND	ND	1.7 J	49.3
07/08/2009	5719622	8260B	ND	ND	ND	ND	ND	5.4	120	ND	ND	ND	ND	125.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/05/2009	5797970	8260B	ND	ND	ND	ND	ND	4 J	90	ND	ND	ND	ND	94
01/25/2010	5892347	8260B	ND	ND	ND	ND	ND	2 J	60	ND	ND	ND	2.3 J	64.3
04/06/2010	5946898	8260B	ND	ND	ND	ND	ND	2.5 J	90	ND	ND	ND	2.3 J	94.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	15	ND	ND	8	583 D	10	998	ND	11	1625
07/11/2006	6G12005-05	8260B	ND	ND	20	6	4	12	700 D	9	869 D	ND	ND	1620
10/09/2006	6J10002-05	8260B	ND	ND	30	8	ND	16	1180 D	27	1100 D	ND	ND	2361
01/05/2007	7A05012-05	8260B	ND	ND	23	6	2 B	11	734 D	20	2080 D	ND	26	2902
04/03/2007	7D04039-03	8260B	ND	ND	7	3	ND	7	394 D	7	1190 D	ND	6	1614
07/05/2007	7G06018-07	8260B	ND	ND	ND	ND	ND	ND	499	ND	579	ND	ND	1078
10/09/2007	7J10006-04	8260B	ND	ND	9	ND	ND	8	570	ND	636	ND	ND	1223
01/07/2008	8A08003-06	8260B	ND	ND	15	ND	22	10	689	8	601	ND	ND	1345
04/08/2008	8D09003-06	8260B	ND	ND	12	ND	ND	7	431	13	1680 D	ND	ND	2143
07/16/2008	5417453	8260B	ND	ND	9.6	3 J	ND	7	470	6.3	610	ND	ND	1105.9
10/14/2008	5498682	8260B	ND	ND	8	1.7 J	ND	8	460	5.1	530	ND	ND	1012.8
01/14/2009	5577587	8260B	ND	ND	24	7.9	ND	11	720	38	1200	ND	2 J	2002.9
04/14/2009	5646771	8260B	ND	ND	12	3.5 J	ND	6.1 J	370	23	1600	ND	3.9 J	2018.5
07/09/2009	5720680	8260B	ND	ND	6.6	2.3 J	ND	6.8	390	5.6	490	ND	ND	901.3
10/05/2009	5797961	8260B	ND	ND	10	3.1 J	ND	6.7 J	560	9.2 J	780	ND	ND	1369
01/21/2010	5889956	8260B	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.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/06/2010	5946899	8260B	ND	ND	9.5 J	2.8 J	ND	5.6 J	390	13	1600	ND	6.4 J	2027.3

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.
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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-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (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	8260B	ND	ND	2	ND	ND	2	146	ND	636 D	ND	6	792
07/11/2006	6G12005-01	8260B	ND	ND	2	ND	4	2	143	2	449 D	ND	ND	602
10/09/2006	6J10002-02	8260B	ND	ND	ND	ND	ND	2	114	ND	871 D	ND	3	990
01/09/2007	7A10006-02	8260B	ND	ND	3	ND	ND	2	185	3	638 D	ND	7	838
04/03/2007	7D04039-04	8260B	ND	ND	6	2	ND	3	302 D	6	1040 D	ND	20	1379
07/05/2007	7G06018-05RE1	8260B	ND	ND	ND	ND	ND	ND	68	ND	235	ND	6	309
10/09/2007	7J10006-07	8260B	ND	ND	4	ND	ND	3	304	ND	1090 D	ND	13	1414
01/07/2008	8A08003-08	8260B	ND	ND	ND	ND	31	ND	84	ND	463	ND	ND	578
04/08/2008	8D09003-03	8260B	ND	ND	12	ND	16 B	ND	455	7	1690 D	ND	31	2211
07/21/2008	5420903	8260B	ND	ND	1.3 J	ND	ND	1.6 J	120	ND	1500	ND	7.5	1630.4
10/14/2008	5498687	8260B	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:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-1

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2009	5576508	8260B	ND	ND	18	5	ND	5.6	570	17	2100	ND	30	2745.6
04/15/2009	5647722	8260B	ND	ND	11	2.8 J	ND	3.6 J	400	11	1300	ND	19	1747.4
07/07/2009	5718471	8260B	ND	ND	1.6 J	ND	ND	1.6 J	110	1.1 J	430	ND	5.6	549.9
10/07/2009	5800383	8260B	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	8260B	ND	ND	11	1.8 J	ND	2.6 J	340	11	1200	ND	11	1577.4
04/07/2010	5948422	8260B	ND	ND	11	3.4 J	ND	3.6 J	370	7.2	1300	ND	24	1719.2

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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-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041301	8021	ND	ND	ND	ND	1.6 J	ND	24	ND	44	ND	ND	69.6
04/19/2001	A1361314	624	ND	ND	ND	ND	ND	ND	1.4	ND	17	ND	ND	18.4
07/13/2001	A1663811	8021	ND	1.5	ND	ND	5.3	ND	24	ND	88	ND	ND	118.8
10/15/2001	A1A17405	8021	ND	ND	ND	ND	ND	ND	370	ND	3700	ND	ND	4070
01/23/2002	A2076704	8021	ND	ND	ND	ND	2 J	ND	7.8	ND	55	ND	ND	64.8
04/18/2002	A2378805	8021	ND	ND	ND	ND	ND	ND	2.4	ND	17	ND	ND	19.4
07/16/2002	A2722913	8021	ND	ND	ND	ND	2.6	ND	16	ND	110	ND	ND	128.6
10/09/2002	A2A07509	8021	ND	ND	ND	ND	ND	ND	88	ND	640	ND	ND	728
01/23/2003	A3075205	8021	ND	ND	ND	ND	ND	ND	31	ND	270	ND	ND	301
04/09/2003	A3329401	8021	ND	ND	ND	ND	ND	ND	5	ND	85	ND	ND	90

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	1	298 D	ND	946 D	10	4	1259
07/11/2006	6G12005-02	8260B	ND	ND	ND	5	3	5	1150 D	ND	3150 D	8	5	4326
10/09/2006	6J10002-06	8260B	ND	ND	ND	4	ND	6	1550 D	ND	4620 D	3	4	6187
01/09/2007	7A10006-05	8260B	ND	ND	ND	ND	39	ND	437	ND	1940 D	21	ND	2437
04/03/2007	7D04039-05	8260B	ND	ND	ND	2	ND	3	540 D	ND	2250 D	18	9	2822
07/05/2007	7G06018-02	8260B	ND	ND	ND	ND	ND	ND	1320	ND	3120	ND	61	4501
10/09/2007	7J10006-06	8260B	ND	ND	ND	ND	ND	ND	1400	ND	4220 D	ND	ND	5620
01/07/2008	8A08003-04RE1	8260B	ND	ND	ND	ND	ND	ND	849	ND	362	ND	24	1235
04/08/2008	8D09003-05	8260B	ND	ND	ND	ND	35 B	12	2910 D	ND	2120 D	ND	154	5231
07/16/2008	5417446	8260B	ND	ND	ND	8	ND	5.2	770	ND	630	ND	130	1543.2
10/14/2008	5498677	8260B	ND	ND	ND	10 J	ND	6.4 J	1000	ND	1400	ND	31	2447.4
01/15/2009	5578620	8260B	ND	ND	ND	3.2 J	ND	2.7 J	630	ND	2000	ND	48	2683.9
04/13/2009	5647718	8260B	ND	ND	ND	4.5 J	ND	ND	730	ND	2200	ND	50	2984.5
07/07/2009	5718469	8260B	ND	ND	ND	19 J	ND	15 J	2600	ND	5000	ND	17 J	7651
10/06/2009	5799011	8260B	ND	ND	ND	11 J	ND	8.6 J	1700	ND	5500	ND	8 J	7227.6
01/25/2010	5892346	8260B	ND	ND	ND	ND	ND	ND	1400	ND	6300	ND	49 J	7749
04/06/2010	5946901	8260B	ND	ND	ND	4.3 J	ND	5.1 J	940	ND	4300	ND	40	5289.4

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2009	5582430	8260B	ND	ND	ND	ND	ND	ND	8.4	ND	55	ND	ND	63.4
04/16/2009	5649166	8260B	ND	ND	ND	ND	ND	ND	2.7 J	ND	21	ND	ND	23.7
07/13/2009	5722294	8260B	ND	ND	ND	ND	ND	ND	62	ND	350	ND	1.4 J	413.4
10/06/2009	5799007	8260B	ND	ND	1.2 J	ND	ND	ND	62	6.3	480	ND	1.5 J	551
01/26/2010	5893225	8260B	ND	ND	ND	ND	ND	ND	2.4 J	ND	29	ND	ND	31.4
04/07/2010	5948424	8260B	ND	ND	ND	ND	ND	ND	3.1 J	ND	26	ND	ND	29.1

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: Quarry Pond														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/11/2007	7J12012-06	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/16/2008	8D16026-02	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
10/14/2008	5498681	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651168	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799014	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948421	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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