SECOND QUARTER 2009 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 2009

Second Quarter 2009 Monitoring Report For:

GROUNDWATER REMEDIATION PROGRAM AT THE FORMER CARBORUNDUM FACILITY

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August 2009

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

INTRODUCTION

The Atlantic Richfield Company (ARC) has retained Parsons to complete the 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 2009 groundwater sampling event and provides a summary of the operations, maintenance, and monitoring activities completed between April 1 and June 30, 2009.

The April 2009 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 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 2, 2009, water levels were measured in 60 monitoring and 6 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 2009 are shown in Figures 5 and 6. Groundwater elevations and resultant flow patterns are consistent with the historical data.

GROUNDWATER SAMPLING

The groundwater sampling event was completed between April 13 and April 20, 2009. 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 practicable, 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 one to 13 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 to 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). All 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 20, 2009. 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 2009 sampling event were submitted to Lancaster Laboratories, a New York State 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 analytical results for this round of groundwater sampling are 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

water quality database. A historical summary (January 2001 through June 2009) is provided in the tables in Appendix C.

Limited data validation was performed on the analytical results. Although precision and accuracy outliers were noted by the laboratory for project-designated MS/MSD analyses, all 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:

- minor repair to P-4 controls and electrical wiring;
- recalibrated water levels to level controllers;
- installed blank doors on unused boxes of the MCC panel;
- replaced dessicant filters on each of the level probe boxes; and
- replaced the padlock on well B-16.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

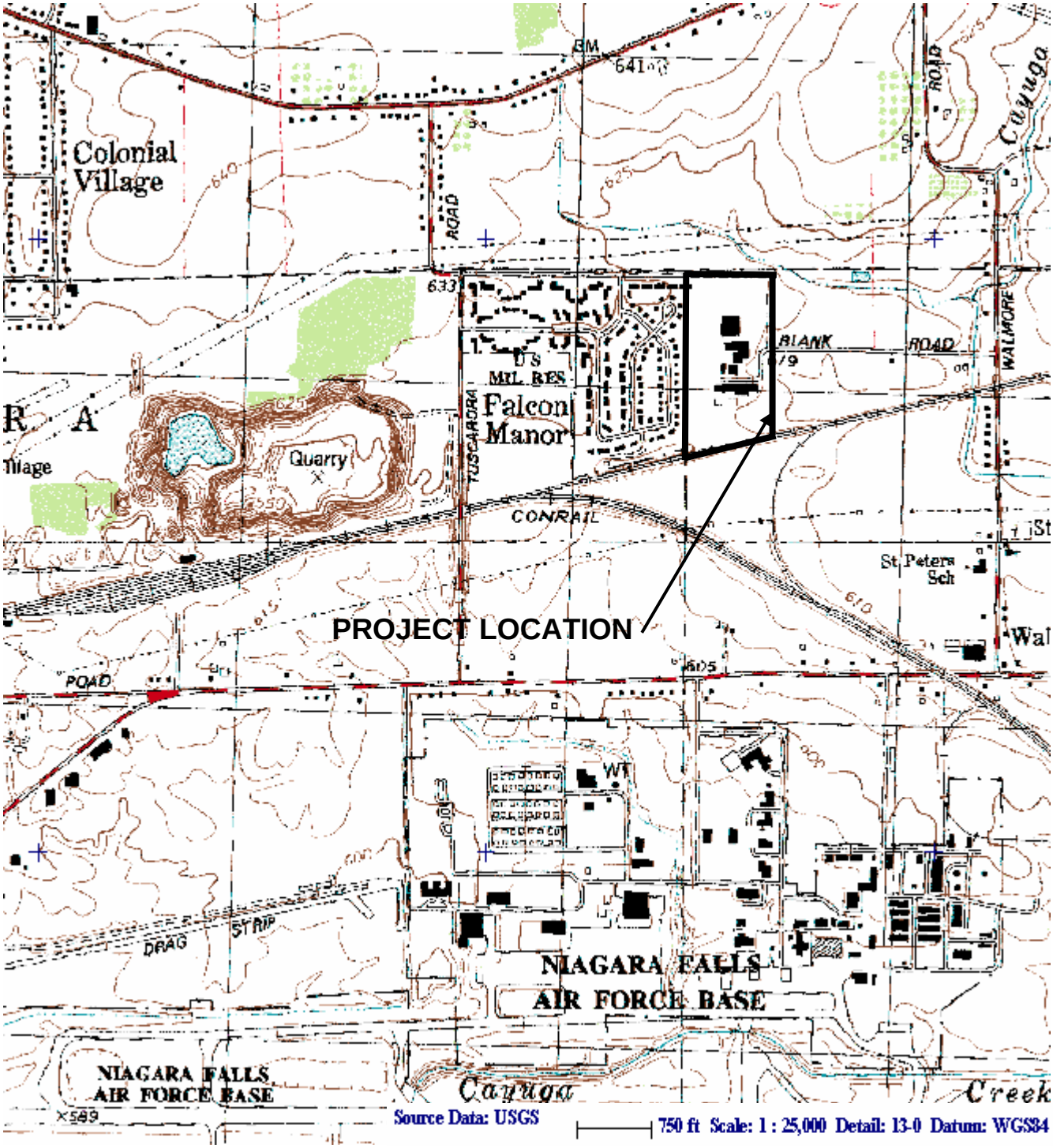
During the reporting period, approximately 12.5 million gallons of groundwater were recovered and treated. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorizes discharge through March 31, 2012. The average pumping rate from the system was approximately 95.1 gallons per minute during the reporting period. (Note that currently the pumping rate is set at 90 gpm.)

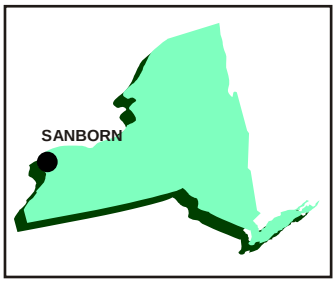
Effluent samples were collected at the outfall (OU1) inside the treatment building. Monthly discharge monitoring reports (DMRs) were provided to NYSDEC, in compliance with the SPDES permit (NY0001988). The DMRs documented the analytical results from the effluent samples. All analytical results were compliant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

SUMMARY AND CONCLUSIONS

- Groundwater 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, and all data were within compliance parameters for the reporting period.

FIGURES





New York
Quadrangle

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

N

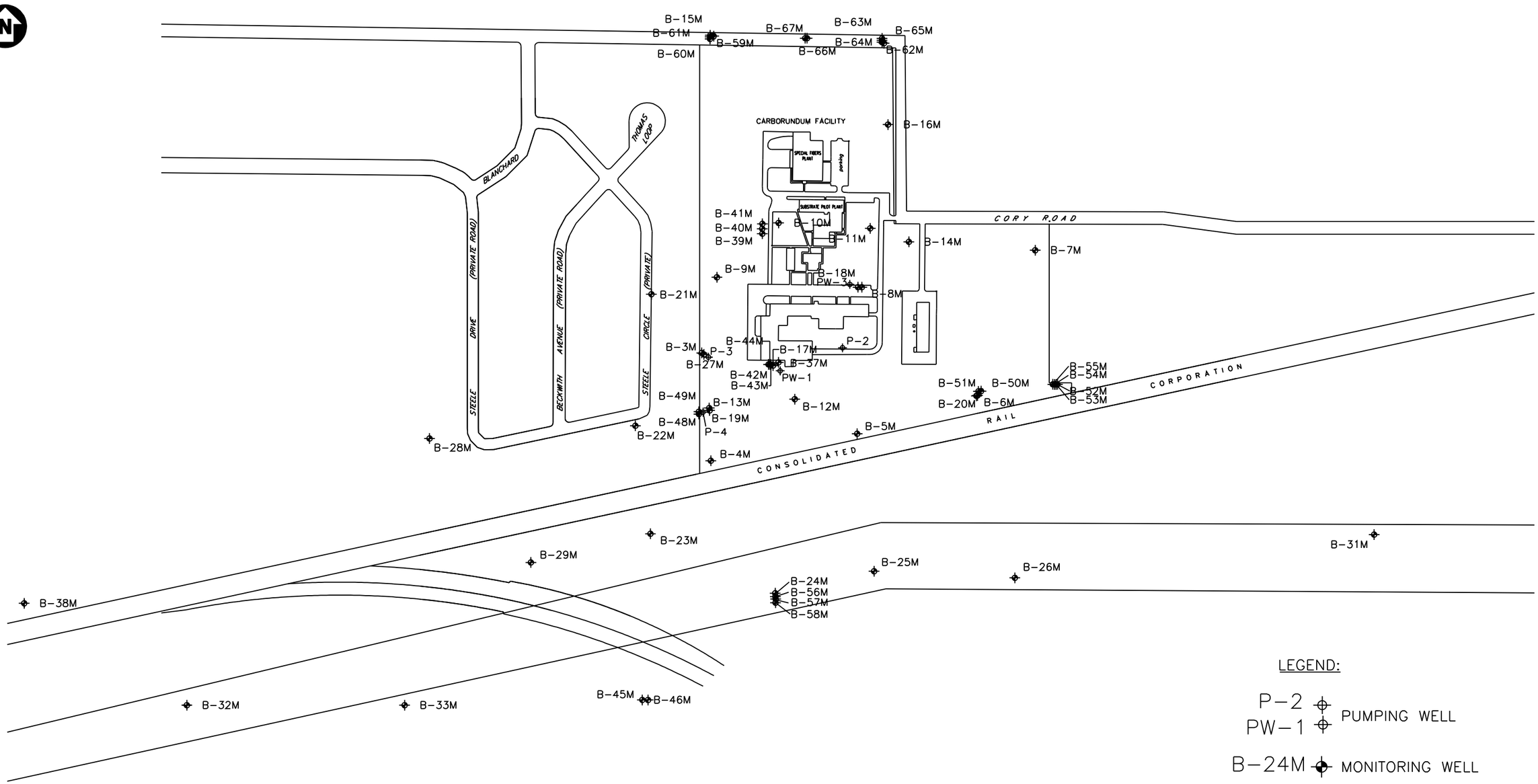
SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

FIGURE 1

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

PROJECT LOCATION PLAN

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



LEGEND:

P-2 ⊕ PUMPING WELL

PW-1 ⊕

B-24M ⊕ MONITORING WELL

400 200 0 400 800

SCALE: 1"=400'

FIGURE 2

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY

SITE PLAN

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

P:\\442951\CAD\\442951c-2.dwg, MAB, 1=1
No XREFs

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

B-10M	4/20/09
PCE	<0.8
TCE	35
CIS	5
TRANS	<0.8
VC	<1

B-9M	4/16/09
PCE	<0.8
TCE	<1
CIS	<0.8
TRANS	<0.8
VC	<1

B-21M	4/20/09
PCE	<0.8
TCE	<1
CIS	<0.8
TRANS	<0.8
VC	<1

PW-4	4/16/09
PCE	<0.8
TCE	21
CIS	2.7 J
TRANS	<0.8
VC	<1

P-3	4/15/09
PCE	<0.8
TCE	<1
CIS	46
TRANS	1.6 J
VC	1.7 J

B-28M	4/20/09
PCE	<0.8
TCE	<1
CIS	<0.8
TRANS	<0.8
VC	<1

P-4	4/14/09
PCE	<1.6
TCE	1,600
CIS	370
TRANS	6.1 J
VC	3.9 J

B-22M	4/20/09
PCE	<0.8
TCE	39
CIS	150
TRANS	3.8 J
VC	9.9

B-38M	4/20/09
PCE	<0.8
TCE	23
CIS	64
TRANS	1 J
VC	2 J

B-23M	4/13/09
PCE	<0.8
TCE	21
CIS	260
TRANS	1.6 J
VC	11

B-13M	4/14/09
PCE	<0.8
TCE	460
CIS	460
TRANS	7
VC	17

B-24M	4/13/09
PCE	<0.8
TCE	3.2 J
CIS	0.99 J
TRANS	<0.8
VC	<1

B-17M	4/15/09
PCE	9.4 J
TCE	3,900
CIS	6,600
TRANS	35 J
VC	750

PW-3	4/13/09
PCE	<4
TCE	2,200
CIS	730
TRANS	<4
VC	50

B-8M	4/13/09
PCE	<80
TCE	61,000
CIS	3,100
TRANS	<80
VC	120 J

P-2	4/16/09
PCE	<0.8
TCE	260
CIS	780
TRANS	5.1
VC	160

PW-1	4/15/09
PCE	<1.6
TCE	1,300
CIS	400
TRANS	3.6 J
VC	19

B-6M	4/16/09
PCE	<0.8
TCE	270
CIS	27
TRANS	0.9 J
VC	<1

B-61M B-15M B-67M B-63M B-62M
B-60M B-64M
B-59M B-66M B-65M
B-16M
CARBORUNDUM FACILITY
SPECIAL FIBERS PLANT
parking
SUBSTRATE PILOT PLANT
B-41M B-11M
B-40M B-10M B-14M
B-39M
B-7M
B-9M
PW-3
PW-2
B-21M
B-8M
B-18M
PW-4
P-2
B-3M B-44M
B-17M
P-3 B-37M
B-27M PW-1
B-42M
B-43M
B-51M B-50M
B-6M
B-20M
B-55M
B-54M
B-52M
B-53M
P-4
B-49M B-13M
B-48M B-19M
B-12M
B-5M
B-22M
B-4M
B-28M
B-23M
B-31M
B-29M
B-25M
B-26M
B-24M
B-57M B-56M
B-58M
B-38M
B-45M B-46M
B-32M
B-33M
BLANCHARD
THOMAS LOOP
DRIVE (PRIVATE ROAD)
AVENUE (PRIVATE ROAD)
CIRCLE (PRIVATE)
STEELE
BECKWITH
STEELE
CORY ROAD
CORPORATION
RAIL
CONSOLIDATED

400 200 0 400 800

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PLOT DATE: 7/9/2009 10:18 AM PLOTTED BY: RUSSO, JILL

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 2009 QUARTERLY SAMPLING EVENT

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

B-40M	4/16/09
PCE	<0.8
TCE	2.5 J
CIS	3.9 J
TRANS	<0.8
VC	<1

B-41M	4/16/09
PCE	<0.8
TCE	<1
CIS	6.8
TRANS	<0.8
VC	1.4 J

B-39M	4/16/09
PCE	<0.8
TCE	4.1 J
CIS	1.7 J
TRANS	<0.8
VC	<1

B-44M	4/15/09
PCE	<0.8
TCE	4.4 J
CIS	5.8
TRANS	<0.8
VC	5 J

B-42M	4/15/09
PCE	<0.8
TCE	3.7 J
CIS	11
TRANS	1.3 J
VC	<1

B-49M	4/14/09
PCE	<0.8
TCE	<1
CIS	<0.8
TRANS	<0.8
VC	<1

B-43M	4/15/09
PCE	<0.8
TCE	<1
CIS	7.2
TRANS	<0.8
VC	2.2 J

B-19M	4/14/09
PCE	<0.8
TCE	<1
CIS	3.5 J
TRANS	<0.8
VC	1.3 J

B-48M	4/14/09
PCE	<0.8
TCE	2.9 J
CIS	1 J
TRANS	<0.8
VC	<1

B-56M	4/13/09
PCE	<0.8
TCE	64
CIS	17
TRANS	<0.8
VC	<0.1

B-57M	4/13/09
PCE	<0.8
TCE	<1
CIS	<0.8
TRANS	<0.8
VC	<1

B-15M B-67M B-63M B-61M B-59M B-60M B-66M B-64M B-62M B-65M B-16M B-41M B-10M B-40M B-39M B-11M B-14M B-9M B-7M PW-3 PW-2 B-8M B-18M B-21M PW-4 P-2 B-44M B-17M B-3M P-3 B-37M B-27M B-42M B-43M PW-1 B-12M B-51M B-50M B-20M B-6M B-55M B-54M B-52M B-53M B-49M B-13M B-48M B-19M P-4 B-22M B-5M B-28M B-4M B-23M B-31M B-29M B-38M B-25M B-26M B-24M B-56M B-57M B-58M B-32M B-33M B-45M B-46M

CARBORUNDUM FACILITY
SPECIAL FIBERS PLANT
parking
SUBSTRATE PILOT PLANT
CORY ROAD
CORPORATION
RAIL
CONSOLIDATED
BLANCHARD
THOMAS LOOP
(PRIVATE ROAD)
DRIVE
AVENUE
CIRCLE
STEELE
BECKWITH

400 200 0 400 800

FIGURE 4

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

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR
ZONES 2, 3, 4, AND 5
APRIL 2009 QUARTERLY SAMPLING EVENT

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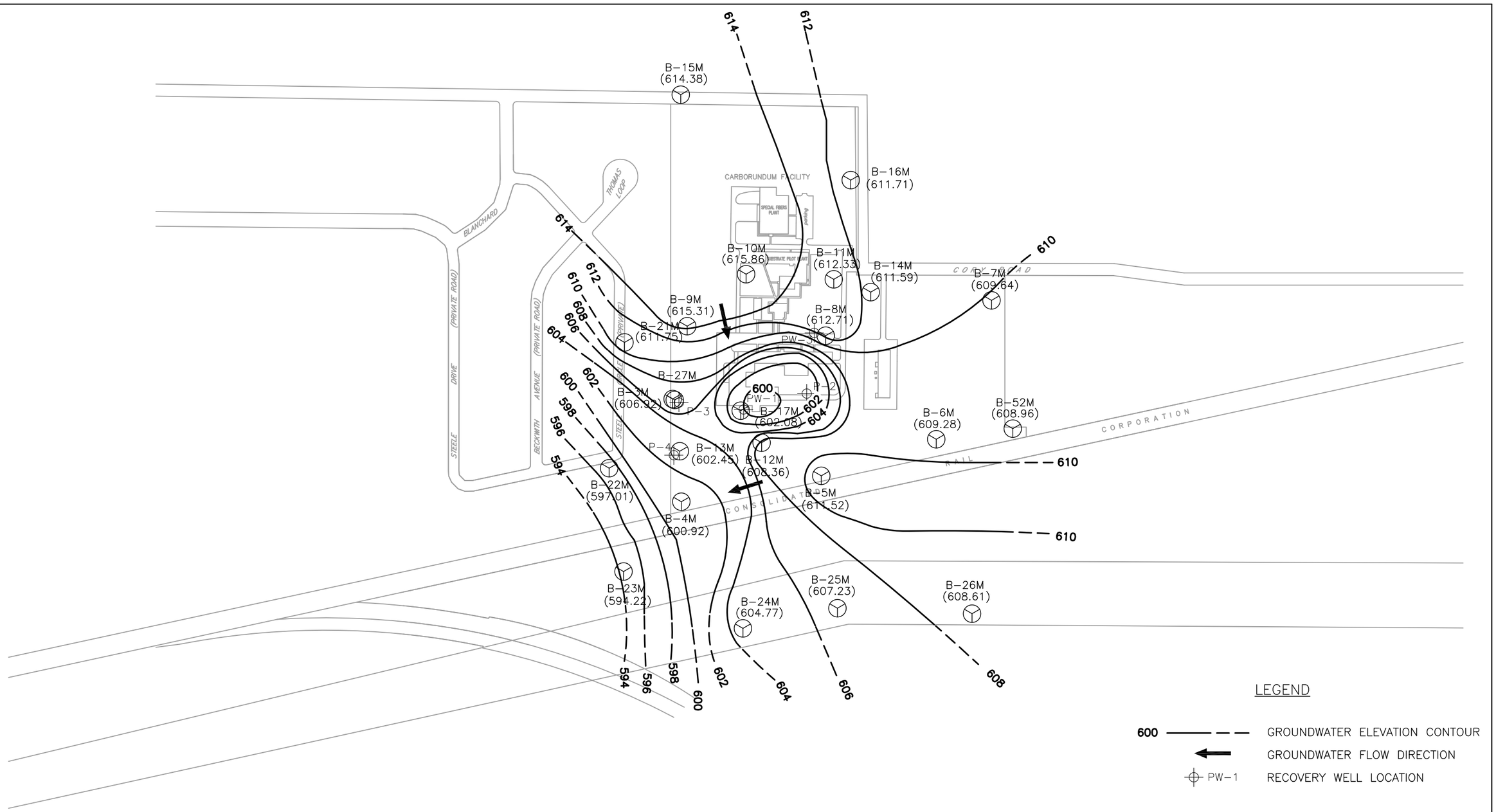

NOTE:

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.

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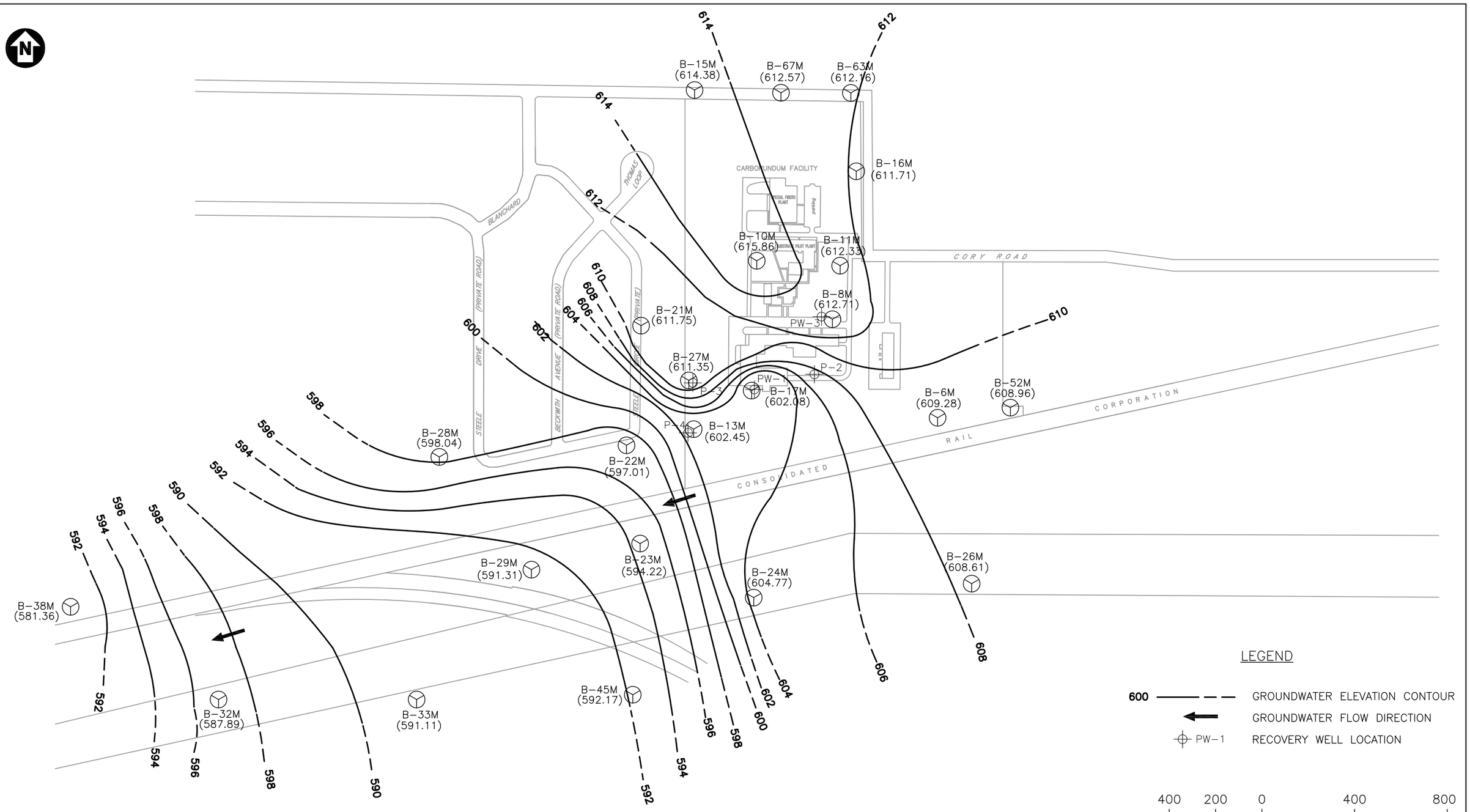
PARSONS
40 LA RIVIERE DRIVE, SUITE 350
BUFFALO, NEW YORK 14202
716-541-0730

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK-APRIL 2009



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.

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

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION ZONE 1-APRIL 2009

TABLES

TABLE 1
APRIL 2009 GROUNDWATER ELEVATION DATA
THE FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Monitoring Well I.D.	Date	Top of Riser Elevation (ft)	Water Level (ft)	Groundwater Elevation (ft)	Remarks
P-2	04/02/09	619.67	19.20	600.47	
P-3	04/02/09	627.35	25.14	602.21	
P-4	04/02/09	624.45	25.20	599.25	
PW-1	04/02/09	619.78	26.80	592.98	
PW-3	04/02/09	618.28	12.70	605.58	
B-3M	04/02/09	625.59	18.67	606.92	
B-4M	04/02/09	622.24	21.32	600.92	
B-5M	04/02/09	620.83	9.31	611.52	
B-6M	04/02/09	615.69	6.41	609.28	
B-7M	04/02/09	616.22	6.58	609.64	
B-8M	04/02/09	618.57	5.86	612.71	
B-9M	04/02/09	623.03	7.72	615.31	
B-10M	04/02/09	626.05	10.19	615.86	
B-11M	04/02/09	622.81	10.48	612.33	
B-12M	04/02/09	622.17	13.81	608.36	
B-13M	04/02/09	626.70	24.25	602.45	
B-14M	04/02/09	618.25	6.66	611.59	
B-15M	04/02/09	623.98	9.60	614.38	
B-16M	04/02/09	626.08	14.37	611.71	
B-17M	04/02/09	622.07	19.99	602.08	
B-18M	04/02/09	618.69	8.46	610.23	
B-19M	04/02/09	626.01	18.62	607.39	
B-20M	04/02/09	615.32	7.00	608.32	
B-21M	04/02/09	622.56	10.81	611.75	
B-22M	04/02/09	622.29	25.28	597.01	
B-23M	04/02/09	617.71	23.49	594.22	
B-24M	04/02/09	617.24	12.47	604.77	
B-25M	04/02/09	619.31	12.08	607.23	
B-26M	04/02/09	618.06	9.45	608.61	
B-27M	04/02/09	626.04	14.69	611.35	
B-28M	04/02/09	622.62	24.58	598.04	
B-29M	04/02/09	618.31	27.00	591.31	
B-31M	04/02/09	613.78	7.25	606.53	
B-32M	04/02/09	619.35	31.46	587.89	
B-33M	04/02/09	612.43	21.32	591.11	
B-37M	04/02/09	616.90	19.37	597.53	
B-38M	04/02/09	609.81	28.45	581.36	
B-39M	04/02/09	626.12	14.39	611.73	
B-40M	04/02/09	626.23	14.98	611.25	
B-41M	04/02/09	626.31	16.68	609.63	
B-42M	04/02/09	623.76	12.26	611.50	
B-43M	04/02/09	623.64	13.98	609.66	
B-44M	04/02/09	623.29	16.06	607.23	
B-45M	04/02/09	612.12	19.95	592.17	
B-46M	04/02/09	613.46	21.83	591.63	
B-48M	04/02/09	625.40	14.21	611.19	
B-49M	04/02/09	625.56	24.11	601.45	
B-50M	04/02/09	616.47	7.46	609.01	
B-51M	04/02/09	616.48	3.82	612.66	
B-52M	04/02/09	616.26	7.30	608.96	
B-53M	04/02/09	616.14	7.19	608.95	
B-54M	04/02/09	616.00	6.91	609.09	
B-55M	04/02/09	615.59	23.07	592.52	
B-56M	04/02/09	617.78	23.16	594.62	
B-57M	04/02/09	617.80	25.03	592.77	
B-58M	04/02/09	617.99	21.03	596.96	
B-59M	04/02/09	625.53	24.62	600.91	
B-60M	04/02/09	625.67	14.15	611.52	
B-61M	04/02/09	625.72	13.64	612.08	
B-62M	04/02/09	623.89	3.1	620.79	
B-63M	04/02/09	624.14	11.98	612.16	
B-64M	04/02/09	623.95	12.17	611.78	
B-65M	04/02/09	624.19	13.11	611.08	
B-66M	04/02/09	625.37	13.5	611.87	
B-67M	04/02/09	625.51	12.94	612.57	

TABLE 2
MONITORING WELL GROUNDWATER PURGING DATA
APRIL 2009 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	4/16/09	13:10	619.67							1	Pumping well
P-3	4/15/09	13:25	627.35							1	Pumping well
P-4	4/14/09	15:25	624.45							1	Pumping well
PW-1	4/15/09	10:30	619.78							1	Pumping well
PW-3	4/13/09	14:45	618.28							1	Pumping well
PW-4	4/16/09	13:00	618.28							1	Pumping well
B-6M	4/16/09	13:30	615.69	5.95	609.74	19.10	13.15	2.24	9	4	
B-8M	4/13/09	12:20	618.57	3.77	614.80	17.80	14.03	2.39	5	6	
B-9M	4/16/09	14:15	623.03	7.32	615.71	21.14	13.82	2.35	9.35	4	
B-10M	4/20/09	13:50	622.56	8.83	613.73	27.90	19.07	3.24	1.75	6	
B-13M	4/14/09	14:00	617.20	22.65	594.55	36.00	13.35	2.27	4.5	6	
B-17M	4/15/09	8:30	622.07	19.26	602.81	26.00	6.74	1.15	3	6	
B-19M	4/14/09	12:15	626.01	16.35	609.66	66.10	49.75	8.46	2.2	6	
B-21M	4/20/09	9:45	622.56	9.72	612.84	26.60	16.88	2.87	12	4	
B-22M	4/20/09	10:35	617.71	24.35	593.36	35.90	11.55	4.14	1.5	6	
B-23M	4/13/09	8:30	617.71	21.88	595.83	31.67	9.79	1.66	NR	6	
B-24M	4/13/09	11:45	617.20	10.05	607.15	26.61	16.56	2.80	12	5	
B-28M	4/20/09	9:00	622.62	24.94	597.68	34.50	9.56	1.63	7	4	
B-38M	4/20/09	12:00	609.81	27.98	581.83	41.20	13.22	2.25	9	4	
B-39M	4/16/09	11:40	626.12	12.15	613.97	43.95	31.80	5.40	2	6	
B-40M	4/16/09	10:20	626.23	13.01	613.22	57.91	44.90	7.60	4	6	
B-41M	4/16/09	8:25	626.31	14.95	611.36	72.58	57.63	9.80	1.5	6	
B-42M	4/15/09	12:10	623.76	9.50	614.26	45.38	35.88	6.10	5.5	6	
B-43M	4/15/09	13:45	623.64	11.78	611.86	58.85	47.07	8.00	1.5	6	
B-44M	4/15/09	10:00	623.29	14.06	609.23	84.41	70.35	11.95	1	6	
B-48M	4/14/09	8:30	625.40	11.02	614.38	46.88	35.86	6.09	5	6	
B-49M	4/14/09	9:55	625.56	21.85	603.71	82.46	60.61	10.30	1.75	6	
B-56M	4/13/09	10:50	617.78	20.97	596.81	39.60	18.63	3.16	12.8	5	
B-57M	4/13/09	10:30	617.80	22.15	595.65	50.55	28.40	4.80	8	5	Well dry at 8 gallons purged

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 2009 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	4/16/09	13:10	619.67	6.3	1.11	53.1	7.78	Pumping well
P-3	4/15/09	13:25	627.35	6.82	1.65	54.5	14.4	Pumping well
P-4	4/14/09	15:25	624.45	6.47	1.19	52.8	3.89	Pumping well
PW-1	4/15/09	10:30	619.78	6.05	0.87	52.9	2.95	Pumping well
PW-3	4/13/09	14:45	618.28	7.23	1.51	47.3	3.19	Pumping well
PW-4	4/16/09	13:00	618.28	5.99	0.74	53.6	3.01	Pumping well
B-6M	4/16/09	14:00	615.69	6.12	1.12	48.7	323	
B-8M	4/13/09	14:00	618.57	6.42	1.98	48.4	38.5	Alkalinity as $CaCO_3$ = 320 mg/l; Ferrous Iron = 2.0 mg/l
B-9M	4/16/09	14:40	623.03	5.9	0.32	44.2	58.7	
B-10M	4/20/09	15:00	622.07	6.30	1.52	49.3	15.8	Alkalinity as $CaCO_3$ = 320 mg/l; Ferrous Iron = 0.0 mg/l
B-13M	4/14/09	15:10	618.69	6.32	1.51	51.8	9	Alkalinity as $CaCO_3$ = 300 mg/l; Ferrous Iron = 0 mg/l
B-17M	4/15/09	9:45	626.01	6.32	1.67	51.6	0.0	Alkalinity as $CaCO_3$ = 280 mg/l; Ferrous Iron = 2.6 mg/l
B-19M	4/14/09	13:40	617.71	6.31	1.67	52.0	9	Alkalinity as $CaCO_3$ = 280 mg/l; Ferrous Iron = 0.2 mg/l
B-21M	4/20/09	10:30	618.31	7.28	1.26	49.7	373	
B-22M	4/20/09	11:35	619.35	6.23	1.45	51.4	14.2	Alkalinity as $CaCO_3$ = 300 mg/l; Ferrous Iron = 0.0 mg/l
B-23M	4/13/09	9:30	609.81	6.53	0.891	51.4	0	Alkalinity as $CaCO_3$ = 280 mg/l; Ferrous Iron = 0.3 mg/l
B-24M	4/13/09	12:10	626.12	7.57	0.97	46.8	61.1	
B-28M	4/20/09	9:46	622.62	6.08	1.11	50.0	298	
B-38M	4/20/09	12:35	609.81	6.53	1.20	50.1	4.3	
B-39M	4/16/09	12:35	626.12	6.31	1.17	51.3	4.8	Alkalinity as $CaCO_3$ = 240 mg/l; Ferrous Iron = 0.0 mg/l
B-40M	4/16/09	11:30	626.23	6.29	2.44	51.8	1.3	Alkalinity as $CaCO_3$ = 260 mg/l; Ferrous Iron = 0.0 mg/l
B-41M	4/16/09	9:40	626.31	6.39	0.718	50.7	0.0	Alkalinity as $CaCO_3$ = 240 mg/l; Ferrous Iron = 0.2 mg/l
B-42M	4/15/09	13:15	623.76	6.33	0.746	53.8	9.55	Alkalinity as $CaCO_3$ = 240 mg/l; Ferrous Iron = 0.0 mg/l
B-43M	4/15/09	15:00	623.64	6.22	2.40	55.6	1.5	Alkalinity as $CaCO_3$ = 240 mg/l; Ferrous Iron = 0.0 mg/l
B-44M	4/15/09	11:30	623.29	6.77	3.03	52.0	0	Alkalinity as $CaCO_3$ = 240 mg/l; Ferrous Iron = 0.0 mg/l
B-48M	4/14/09	9:40	625.40	6.19	0.703	51.1	17.7	Alkalinity as $CaCO_3$ = 280 mg/l; Ferrous Iron = 0.0 mg/l
B-49M	4/14/09	9:55	625.56	6.09	3.29	51.6	0	Alkalinity as $CaCO_3$ = 320 mg/l; Ferrous Iron = 0.0mg/l
B-56M	4/13/09	11:25	617.78	8.01	1.05	47.5	19.4	
B-57M	4/13/09	11:35	617.80	7.29	2.43	49.8	60.5	

TABLE 4
MONITORING WELL GROUNDWATER ANALYTCIAL RESULT SUMMARY
APRIL 2009 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	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Vinyl chloride ug/l	Tetrachloroethene ug/l
P-2	4/16/2009	5649165	< 1	< 0.8	190	31	< 2	5.1	780	1100	260	160	< 0.8
P-3	4/15/2009	5647723	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	46	< 0.8	< 1	1.7 J	< 0.8
P-4	4/14/2009	5646771	< 2	< 1.6	12	3.5 J	< 4	6.1 J	370	23	1600	3.9 J	< 1.6
PW-1	4/15/2009	5647722	< 2	< 1.6	11	2.8 J	< 4	3.6 J	400	11	1300	19	< 1.6
PW-3	4/13/2009	5647718	< 5	< 4	< 5	4.5 J	< 10	< 4	730	< 4	2200	50	< 4
PW-4	4/16/2009	5649166	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.7 J	< 0.8	21	< 1	< 0.8
B- 6M	4/16/2009	5649163	< 1	< 0.8	< 1	< 0.8	< 2	0.9 J	27	< 0.8	270	< 1	< 0.8
B- 8M	4/13/2009	5647717	< 100	< 80	< 100	< 80	< 200	< 80	3100	< 80	61000	120 J	< 80
B- 9M	4/16/2009	5649164	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-10M	4/20/2009	5651166	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5	3 J	35	< 1	< 0.8
B-13M	4/14/2009	5646770	< 1	< 0.8	5.2	3.1 J	< 2	7	460	3.2 J	460	17	< 0.8
B-17M	4/15/2009	5647720	< 10	< 8	210	49 J	< 20	35 J	6600	75	3900	750	9.4 J
B-19M	4/14/2009	5646769	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.5 J	< 0.8	< 1	1.3 J	< 0.8
B-21M	4/20/2009	5651170	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-22M	4/20/2009	5651167	< 1	< 0.8	< 1	< 0.8	< 2	3.8 J	150	< 0.8	39	9.9	< 0.8
B-23M	4/13/2009	5647710	< 1	< 0.8	1.4 J	< 0.8	< 2	1.6 J	260	< 0.8	21	11	< 0.8
B-24M	4/13/2009	5647711	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.99 J	< 0.8	3.2 J	< 1	< 0.8
B-28M	4/20/2009	5651173	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-38M	4/20/2009	5651169	< 1	< 0.8	< 1	< 0.8	< 2	1 J	64	< 0.8	23	2 J	< 0.8
B-39M	4/16/2009	5649168	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	< 0.8	4.1 J	< 1	< 0.8
B-40M	4/16/2009	5649167	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.9 J	< 0.8	2.5 J	< 1	< 0.8
B-41M	4/16/2009	5649169	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.8	< 0.8	< 1	1.4 J	< 0.8
B-42M	4/15/2009	5647725	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	11	< 0.8	3.7 J	< 1	< 0.8
B-43M	4/15/2009	5647721	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	7.2	< 0.8	< 1	2.2 J	< 0.8
B-44M	4/15/2009	5647726	< 1	< 0.8	7	< 0.8	< 2	< 0.8	5.8	< 0.8	4.4 J	5 J	< 0.8
B-48M	4/14/2009	5646767	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1 J	< 0.8	2.9 J	< 1	< 0.8
B-49M	4/14/2009	5646768	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-56M	4/13/2009	5647712	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	17	< 0.8	64	< 1	< 0.8
B-57M	4/13/2009	5647716	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
Quarry Pond	4/20/2009	5651168	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8

TABLE 5
NATURAL ATTENUATION ANALYTICAL RESULT SUMMARY
APRIL 2009 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

APPENDIX A

MONITORING WELL SAMPLING FIELD FORMS

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

Monitoring Well I.D.: B-6	Date: 4/16/09	Time Started: ~~1315~~ 1330	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 19.1	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 5.95	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 13.15	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.24	FiveWell Volumes (gals.) 11.2			
Notes:				

Well Conditions

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

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.24	2.25	50.1	1.69	461	
	4.5	48.1	1.38	394	
	6.75	48.2	1.29	837	
	9	47.9	1.20	536	

Comments:

Sampling Information

Date: 4/16/09	Time Sampled: 1400	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 9.13			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-6	48.7	6.12	1.12	323	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: B-8 Date: 4/13/09 Time Started: 1220 Field Personnel: RCB

Weather Conditions: clear cool Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 17.8 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 3.77 One Well Volume (gal.) 2.39

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~5 gal Flow Rate (mL per minute:

Water Level after Purging (TOR ft.) 3.79

Comments:

Sampling Information

Date: 4/13/09 Time Sampled: 1430 Field Personnel: R C Becken

Measured Water Level (TOR ft) 3.99

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	8.95	6.51	2.26	0.0	-115	3.92	352	~240 ml/min
10	8.97	6.51	2.12	0.0	-104	3.93	213	
15	8.97	6.49	2.02	0.0	-95	3.99	115	
20	8.99	6.47	1.99	0.0	-88	3.99	84	
25	9.02	6.45	1.99	0.0	-85	3.99	68.1	
30	8.99	6.44	1.98	0.0	-81	3.99	61.5	
35	9.03	6.44	1.97	0.0	-79	3.99	92.2	
40	9.06	6.43	1.98	0.0	-76	3.99	43.7	
45	9.02	6.43	1.98	0.0	-69	3.99	42	
50	9.08	6.42	1.98	0.0	-71	3.99	35	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ 5320 mg/L Ferrous Iron = 2 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/13/09

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

Monitoring Well I.D.: B-9	Date: 4/16/09	Time Started: 1415	Field Personnel: RC Becken
Weather Conditions: Sunny warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 21.14	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 7.32	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 13.82	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.35	FiveWell Volumes (gals.) 11.7			
Notes:				

Well Conditions

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

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.35	~2.35	48.1	0.35	58.4	
	~4.70	44.7	0.30	71.3	
	~7	44.1	0.31	70.4	
	~9.35	43.9	0.32	64.6	

Comments:

Sampling Information

Date: 4/16/09	Time Sampled: 1440	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 7.5			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-9	44.2	5.9	0.32	58.7	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: B-10 Date: 4/20/09 Time Started: 1350 Field Personnel: RCB

Weather Conditions: rain 45° Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 27.9 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 8.83 One Well Volume (gal.) 3.24

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~1.75 gal Flow Rate (mL per minute: ~160 ml/min

Water Level after Purging (TOR ft.) 8.91

Comments:

Sampling Information

Date: 4/20/09 Time Sampled: 1500 Field Personnel: R C Becken

Measured Water Level (TOR ft) 8.91

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.18	6.54	1.57	2.60	13	8.91	339	~160 ml/min
10	9.89	6.32	1.56	2.05	13	8.91	192	
15	9.63	6.30	1.51	1.88	19	8.91	91	
20	9.54	6.30	1.52	1.89	21	8.91	66.7	
25	9.52	6.30	1.52	1.87	53	8.91	28.7	
30	9.53	6.30	1.52	1.88	42	8.91	20.4	
35	9.55	6.30	1.52	1.91	46	8.91	24.4	
40	9.51	6.30	1.52	1.92	48	8.91	23.6	
45	9.51	6.30	1.52	1.92	49	8.91	18.9	
50	9.59	6.30	1.52	1.91	49	8.91	14.3	
55	9.55	6.30	1.52	1.92	49	8.91	15.8	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 320 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	*Sampler (signature):*	
Richard C. Becken	R C Becken	Date: 4/20/09

LOW-FLOW SAMPL[redacted] FIELD [redacted]ORM
O&M E[redacted] SE[redacted]c.
[redacted]rn

Monitoring Well I.D.: B-13 Date: 4/14/09 Time Started: 1400 Field Personnel: RCB

Weather Conditions: windy, cool cloudy Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 36.0 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 22.65 [redacted]al:) 2.27

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~4.5 gal Flow Rate (mL per minute: ~240 ml/min

Water Level after Purging (TOR ft.) 22.68

Comments:

Sampling Information

Date: 4/14/09 Time Sampled: 1510 Field Personnel: R C Becken

Measured Water Level (TOR ft) 22.68

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.28	6.26	2.35	.24	-211	22.67	27.2	~240 ml/min
10	11.23	6.25	2.20	.98	-198	22.67	16.6	
15	11.25	6.28	1.83	1.22	-178	22.67	12.5	
20	11.09	6.37	1.63	1.64	-149	22.68	9.5	
25	11.13	6.32	1.58	1.47	-140	22.68	9.8	
30	11.07	6.32	1.54	1.30	-136	22.68	7.7	
35	11.00	6.32	1.51	1.04	-126	22.68	6.8	
40	11.08	6.32	1.51	0.90	-116	22.68	8.0	
45	11.08	6.32	1.51	0.89	-115	22.68	7.8	
50	11.00	6.32	1.51	0.88	-113	22.68	9.0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 300 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	*Sampler (signature):*	
Richard C. Becken	Richard C Becken	Date: 4/14/09

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

Monitoring Well I.D.: B-17	Date: 4/15/09	Time Started: 0830	Field Personnel: RCB
Weather Conditions: cloudy, cool		Time Ended:	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft)	26.0	Riser Pipe Diameter (in.)	2
Measured Water Level (TOR-ft)	19.26	One Well Volume (gal.)	1.15
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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	(Bladder Pump)	Other:	
Amount Purged: 4~3gal		Flow Rate (mL per minute: ~150 ml/min		
Water Level after Purging (TOR ft.) 19.66				
Comments:				

Sampling Information

Date: 4/15/09	Time Sampled: 0945	Field Personnel:	R C Becken
Measured Water Level (TOR ft) 19.66			

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.00	5.69	2.06	0.0	-249	19.63	61.5	~160 ml/min
10	10.87	5.92	1.99	0.0	-248	19.66	31.9	
15	10.82	6.06	1.76	0.0	-243	19.66	25.7	~150 ml/min
20	10.81	6.11	1.66	0.0	-244	19.66	18.9	
25	10.77	6.17	1.59	0.0	-247	19.66	11.1	
30	10.85	6.21	1.60	0.0	-255	19.66	5.6	
35	10.86	6.24	1.60	0.0	-261	19.66	4.7	
40	10.86	6.27	1.64	0.0	-268	19.66	0.5	
45	10.87	6.30	1.67	0.0	-271	19.66	0	
50	10.89	6.31	1.67	0.0	-272	19.66	0	
55	10.90	6.31	1.67	0.0	-274	19.66	0	
60	10.92	6.32	1.67	0.0	-276	19.66	0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ 280 mg/L Ferrous Iron = 2.6 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/15/09

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

Monitoring Well I.D.: B-19 Date: 4/14/09 Time Started: 1215 Field Personnel: RCB

Weather Conditions: cloudy cool, windy Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 66.1 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 16.35 One Well Volume (gal.) 8.46

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: 2.2 gal Flow Rate (mL per minute: ~145 ml/min

Water Level after Purging (TOR ft.) 16.41

Comments:

Sampling Information

Date: 4/14/09 Time Sampled: 1340 Field Personnel: R C Becken

Measured Water Level (TOR ft) 16.41

Sampling Method								
place an X in box	Stainless Steel Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer				
	Polyethylene Bailer	Bladder Pump	Other:					
Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	11.02	6.45	2.33	0.0	-226	16.34	57.5	~150 ml/min
10	10.97	6.37	2.34	0.0	-239	16.4	58.0	~145 ml/min
15	11.06	6.35	2.29	0.0	-248	16.4	96.0	
20	10.90	6.34	2.16	0.0	-251	16.41	44.1	
25	11.00	6.33	2.04	0.0	-251	16.41	32.6	
30	10.99	6.33	1.91	0.0	-252	16.41	31.9	
35	11.00	6.32	1.80	0.0	-252	16.41	18.6	
40	10.99	6.31	1.73	0.0	-251	16.41	17.7	
45	11.05	6.32	1.67	0.0	-251	16.41	12.3	
50	11.058	6.32	1.67	0.0	-251	16.41	14	
55	11.09	6.32	1.67	0.0	-251	16.41	12.5	
60	11.10	6.31	1.67	0.0	-251	16.41	9.0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 280 mg/L Ferrous Iron = .2 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	R C Becken	Date: 4/14/09

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

Monitoring Well I.D.:	B-21	Date: 4/20/09	Time Started: 0943	Field Personnel:	RC Becken
Weather Conditions:	light rain windy				
Comments:					

Initial Readings

Measured Well Bottom (TOR - ft)	26.6	Riser Pipe Diameter (in)	2 in.		
Measured Water Level (TOR - ft)	9.72	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	16.88	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	2.87	FiveWell Volumes (gals.)	14.3		
Notes:					

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.87	~3	49.3	1.058	763	
	~6	50.1	1.22	937	
	~9	50.3	1.27	915	
	~12	49.9	1.26	425	

Comments:

Sampling Information

Date:	4/20/09	Time Sampled:	1030	Field Personnel:	R C Becken
Measured Water Level (TOR ft.):	10.95				

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-21	49.7	7.24	1.26	373	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

Sampler (Print):	Richard C. Becken	Sampler (signature):	Date: 4/20/09

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

Monitoring Well I.D.: B-22 Date: 4/20/09 Time Started: 1035 Field Personnel: RCB

Weather Conditions: light rain Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 35.9 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 24.35 One Well Volume (gal.) 4.14

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~1.5 gal Flow Rate (mL per minute: ~160 ml/min

Water Level after Purging (TOR ft.) 24.45

Comments:

Sampling Information

Date: 4/20/09 Time Sampled: 1135 Field Personnel: R C Becken

Measured Water Level (TOR ft) 24.45

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.67	5.89	1.44	.55	-171	24.45	7.9	~160 ml/min
10	10.81	6.03	1.43	0	-190	24.45	19.1	
15	10.75	6.13	1.45	0	-181	24.45	20.1	
20	10.74	6.19	1.45	0	-175	24.45	20.4	
25	10.72	6.20	1.45	0	-166	24.45	20.1	
30	10.67	6.22	1.45	0	-145	24.45	18.1	
35	10.81	6.24	1.45	0	-145	24.45	17.9	
40	10.79	6.23	1.45	0	-143	24.45	14.2	

QA/QC Samples Taken:

Comments: A/K = 300 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/20/09

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

Monitoring Well I.D.: B-23	Date: 4/13/09	Time Started: 0830	Field Personnel: RCB
Weather Conditions: Sunny cool		Time Ended: 0935	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft)	31.61	Riser Pipe Diameter (in.)	2
Measured Water Level (TOR-ft)	21.88	One Well Volume (gal.)	1.66
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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged:		Flow Rate (mL per minute: ~200 ml/min		
Water Level after Purging (TOR ft.)	21.90			
Comments:				

Sampling Information

Date: 4/8/09	Time Sampled: 0930	Field Personnel:	R C Becken
Measured Water Level (TOR ft)	21.90		

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.77	5.32	0.904	0.0	-18	21.89	15.4	~200 ml/min
10	10.68	6.14	0.904	0.0	-39	21.90	10.7	
15	10.71	6.27	0.904	0.0	-31	21.90	13.9	
20	10.71	6.37	0.902	2.44	-16	21.90	6.3	
25	10.70	6.43	0.898	3.12	-14	21.90	5.2	
30	10.74	6.49	0.894	3.29	-13	21.90	1.7	
35	10.72	6.51	0.894	3.38	-13	21.90	1.6	
40	10.73	6.52	0.892	3.75	-13	21.90	0	
45	10.77	6.53	0.891	3.23	-12	21.90	0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 280 mg/L Ferrous Iron = 0.3 mg/L

Signature

Sampler (Print)	*Sampler (signature):*	
Richard C. Becken	Richard C Becken	Date: 4/13/09

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

Monitoring Well I.D.: B-24	Date: 4/13/07	Time Started: 1145	Field Personnel: RC Becken
Weather Conditions: Clear, cool			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 26.61	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 10.05	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 16.56	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.8	FiveWell Volumes (gals.) 14			
Notes:				

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.8	~3	48.3	1.09	12.5	
	~6	48.2	1.03	6.08	
	~9	47.7	1.00	4.8	
	~12	47.6	1.00	3.64	

Comments:

Sampling Information

Date: 4/13/07	Time Sampled: 1210	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 10.9		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-24	46.8	7.57	0.97	61.1	

QA/QC Samples Taken: Field Dup #1

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date:

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

Monitoring Well I.D.: B-28	Date: 4/20/09	Time Started: 0900	Field Personnel: RC Becken
Weather Conditions: light rain windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 34.5	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 24.94	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 9.56	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 1.63	FiveWell Volumes (gals.) 8.1			

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
1.63	~1.75	53.5	1.08	1000+	
	~3.5	51.4	1.11	937	
	~5	51.3	1.12	5.59	
	~7	51.0	1.12	3.23	

Comments:

Sampling Information

Date: 4/20/09	Time Sampled: 0946	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 25.7			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-28	50.0	6.08	1.11	298	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/20/09

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

Monitoring Well I.D.: B-38	Date: 4/20/09	Time Started: 1200	Field Personnel: RC Becken
Weather Conditions: Light rain 40°			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 41.21	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 27.98	Conversion Factor (gal/lineal ft)	1.25" = 0.08	~~2" = 0.17~~	3" = 0.38
Calculated Water Column Height (ft) 13.23	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.25	FiveWell Volumes (gals.) 11.25			

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
2.25	~2.25	49.8	.125	118	
	~4.50	50.2	1.22	43.6	
	~6.75	50.1	1.20	48.2	
	~9	50.2	1.18	42.8	

Comments:

Sampling Information

Date: 4/20/09	Time Sampled: 1235	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 28.16			

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
B-38	50.1	6.53	1.20	44.3	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* R. C. Becken	Date: 4/20/09

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

Monitoring Well I.D.: B-39 Date: 4/16/09 Time Started: 1140 Field Personnel: RCB

Weather Conditions: sunny ~~cool~~ warm Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 43.95 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 12.15 One Well Volume (gal.) 5.4

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~2 gal Flow Rate (mL per minute: ~160 ml/min

Water Level after Purging (TOR ft.) 12.16

Comments:

Sampling Information

Date: 4/16/09 Time Sampled: 1235 Field Personnel: R C Becken

Measured Water Level (TOR ft) 12.16

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.94	6.42	1.63	1.50	2	12.16	165	~160 ml/min
10	10.62	6.27	1.62	0.0	-4	12.16	180	
15	10.59	6.25	1.60	0.0	-7	12.16	159.0	
20	10.66	6.27	1.48	0.0	-4	12.16	81.0	
25	10.65	6.29	1.25	0.0	3	12.16	31.9	
30	10.68	6.29	1.20	0.0	6	12.16	17.9	
35	10.68	6.30	1.17	0.0	8	12.16	11.9	
40	10.65	6.30	1.17	0.0	8	12.16	6.7	
45	10.67	6.31	1.17	0.0	8	12.16	4.8	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 240 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: B-40	Date: 4/16/09	Time Started: 1020	Field Personnel: RCB
Weather Conditions: Sunny warm		Time Ended:	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 57.91	Riser Pipe Diameter (in.) 2
Measured Water Level (TOR-ft) 13.01	One Well Volume (gal.) 7.6
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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~4.0 gal		Flow Rate (mL per minute: ~190 ml/min		
Water Level after Purging (TOR ft.) 13.11				
Comments:				

Sampling Information

Date: 4/16/09	Time Sampled: 1130	Field Personnel:	R C Becken
Measured Water Level (TOR ft) 13.11			

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.91	6.76	0.970	5.95	-108	13.11	5.7	~190 ml/min
10	10.81	6.78	1.30	4.91	-98	13.11	0	
15	10.85	6.68	1.63	3.73	-106	13.11	4.4	
20	10.84	6.36	2.42	0.22	-174	13.11	1.0	
25	10.99	6.20	2.56	0.0	-227	13.11	0	
30	10.95	6.16	2.58	0.0	-275	13.11	0	
35	10.99	6.21	2.52	0.0	-297	13.11	0.9	
40	10.98	6.24	2.44	0.0	-299	13.11	1.4	
45	11.05	6.26	2.44	0.0	-308	13.11	3.1	
50	11.01	6.27	2.44	0.0	-309	13.11	2.1	
55	11.03	6.28	2.44	0.0	-310	13.11	1.6	
60	11.04	6.29	2.44	0.0	-312	13.11	1.3	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 260 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: B-41 Date: 4/16/09 Time Started: 0825 Field Personnel: RCB

Weather Conditions: sunny Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 72.58 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 14.95 One Well Volume (gal.) 9.3

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~1.5 gal Flow Rate (mL per minute: ~110 ml/min

Water Level after Purging (TOR ft.) 14.99

Comments:

Sampling Information

Date: 4/16/09 Time Sampled: 0940 Field Personnel: R C Becken

Measured Water Level (TOR ft) 14.99

Sampling Method place an X in box		Stainless Steel Bailer		Peristaltic Pump		Grundfos Pump		Teflon Bailer
		Polyethylene Bailer		Bladder Pump		Other:		
Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.93	6.24	0.683	1.12	-144	14.9	27.1	~130 ml/min
10	10.59	6.28	0.715	0.0	-168	14.97	11.4	~110 ml/min
15	10.42	6.31	0.720	0.0	-172	14.98	5.4	
20	10.37	6.33	0.716	0.0	-175	14.98	0.9	
25	10.34	6.35	0.718	0.0	-179	14.98	0.0	
30	10.43	6.37	0.716	0.0	-181	14.99	0	
35	10.43	6.38	0.716	0.0	-183	14.99	0	
40	10.38	6.39	0.718	0.0	-186	14.99	0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 240 mg/L Ferrous Iron 5.2 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: B-42 Date: 4/15/09 Time Started: 1210 Field Personnel: RCB

Weather Conditions: sunny warm Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 45.38 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 9.5 One Well Volume (gal.) 6.1

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~5.5 gal		Flow Rate (mL per minute:		

Water Level after Purging (TOR ft.) 9.55

Comments:

Sampling Information

Date: 4/15/09 Time Sampled: 1315 Field Personnel: R C Becken

Measured Water Level (TOR ft) 9.55

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	12.33	6.8	0.771	.11	-64	9.55	22.6	~320 ml/min
10	12.11	6.56	0.775	0.0	-93	9.55	11.3	
15	12.05	6.48	0.770	0.0	-78	9.55	0	
20	12.05	6.42	0.753	0.0	-79	9.55	0	
25	12.03	6.39	0.750	0.0	-80	9.55	0	
30	12.09	6.36	0.748	0.0	-81	9.55	0	
35	12.10	6.34	0.746	0.0	-83	9.55	0	
40	12.07	6.33	0.747	0.0	-83	9.55	0	
45	12.06	6.33	0.746	0.0	-83	9.55	0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ 240 mg/L Ferrous Iron 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/15/09

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

Monitoring Well I.D.: B-43 Date: 4/15/09 Time Started: 1345 Field Personnel: RCB

Weather Conditions: Sunny, warm Time Ended:

Comments:

Initial Readings

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

Measured Water Level (TOR-ft) 11.78 One Well Volume (gal.) 8.00

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	(Bladder Pump)	Other:	

Amount Purged: ~1.5 gal Flow Rate (mL per minute: ~60 ml/min

Water Level after Purging (TOR ft.) 12.55

Comments:

Sampling Information

Date: 4/15/09 Time Sampled: 1500 Field Personnel: R C Becken

Measured Water Level (TOR ft) 12.55

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	12.67	6.27	2.78	0.57	-250	12.8	10.7	~80 ml/min
10	12.87	6.22	2.78	0.0	-271	12.2	5.6	~65 ml/min
15	12.75	6.21	2.79	0.0	-276	12.5	1.0	
20	12.76	6.18	2.76	0.0	-279	12.5	3.5	
25	12.79	6.17	2.70	0.0	-278	12.55	1.0	~60 ml/min
30	13.00	6.17	2.63	0.0	-277	12.55	0	
35	12.7	6.18	2.52	0.0	-274	12.55	3.2	
40	13.0	6.20	2.41	0.0	-269	12.55	2.5	
45	13.1	6.21	2.40	0.0	-270	12.55	3.9	
50	13.1	6.22	2.40	0.0	-269	12.55	4.6	
55	13.2	6.22	2.40	0.0	-269	12.55	3.7	
60	13.1	6.22	2.40	0.0	-269	12.55	1.5	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 240 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	*Sampler (signature):*	
Richard C. Becken	Richard C Becken	Date: 4/15/09

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

Monitoring Well I.D.: B-44	Date: 4/15/09	Time Started: 1000	Field Personnel: RCB
Weather Conditions: Overcast cool		Time Ended:	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 34.41	Riser Pipe Diameter (in.) 2
Measured Water Level (TOR-ft) 14.06	One Well Volume (gal.) 11.95
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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~1 gal		Flow Rate (mL per minute: ~35 ml/min		
Water Level after Purging (TOR ft.) 13.71				
Comments:				

Sampling Information

Date: 4/15/09	Time Sampled: 1130	Field Personnel:	R C Becken
Measured Water Level (TOR ft) 13.71			

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	11.23	6.70	3.02	0.0	-326	13.25	3.3	~45 ml/min
20	10.77	6.75	3.02	0.0	-332	13.45	9.0	~40 ml/min
30	10.88	6.76	3.02	0.0	-335	13.46	10.5	
40	11.01	6.77	3.03	0.0	-352	13.70	0	~35 ml/min
50	11.02	6.77	3.03	0.0	-354	13.71	0	
60	11.03	6.77	3.03	0.0	-358	13.72	0	
70	11.07	6.77	3.03	0.0	-362	13.73	0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 240 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/15/09

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

Monitoring Well I.D.: MB-48	Date: 4/14/09	Time Started: 0830	Field Personnel: RCB
Weather Conditions: cloudy cool		Time Ended:	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 46.88	Riser Pipe Diameter (in.) 2"
Measured Water Level (TOR-ft) 11.02	One Well Volume (gal.) 6.09
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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~5 gal		Flow Rate (mL per minute: ~ 290 ml/min		
Water Level after Purging (TOR ft.) 11.07				
Comments:				

Sampling Information

Date: 4/14/09	Time Sampled: 0940	Field Personnel:	R C Becken
Measured Water Level (TOR ft) 11.07			

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.52	5.84	.707	0.0	141	11.07	85.9	~290 ml/min
10	10.57	5.98	.704	0.0	137	11.07	34.1	
15	10.57	6.07	.703	0.0	136	11.07	26.2	
20	10.59	6.12	.704	0.0	134	11.07	26.1	
25	10.63	6.14	.704	0.0	132	11.07	20.3	
30	10.59	6.17	.705	0.0	131	11.07	20.5	
35	10.58	6.18	.704	0.0	129	11.07	18.7	
40	10.59	6.19	.703	0.0	128	11.07	17.7	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 280 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	R C Becken	Date: 4/14/09

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

Monitoring Well I.D.: B-79 Date: 4/14/09 Time Started: 955 Field Personnel: RCB

Weather Conditions: cloudy cool Time Ended:

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 82.46 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 21.85 One Well Volume (gal.) 10.30

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 Bailer	Peristaltic Pump	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~1.75 gal Flow Rate (mL per minute: ~135 ml/min

Water Level after Purging (TOR ft.)

Comments:

Sampling Information

Date: 4/14/09 Time Sampled: 1115 Field Personnel: R C Becken

Measured Water Level (TOR ft)

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	10.60	6.09	3.22	0.0	-346	22.04	27.4	~160 ml/min
10	10.62	6.08	3.25	0.0	-355	22.08	7.5	~150 ml/min
15	10.63	6.07	3.27	0.0	-359	22.1	3.9	~135 ml/min
20	10.62	6.08	3.28	0.0	-361	22.1	1.5	
25	10.82	6.08	3.27	0.0	-362	22.1	2.0	
30	10.89	6.08	3.28	0.0	-364	22.1	0.4	
35	10.78	6.09	3.28	0.0	-364	22.1	0	
40	10.79	6.09	3.29	0.0	-363	22.1	0	
45	10.77	6.09	3.29	0.0	-364	22.1	0.6	
50	10.88	6.09	3.29	0.0	-362	22.1	0	

QA/QC Samples Taken:

Comments: Alkalinity as $CaCO_3$ = 320 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	*Sampler (signature):*	
Richard C. Becken	Richard C Becken	Date: 4/14/09

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

Monitoring Well I.D.: B-56	Date: 4/13/07	Time Started: 1050	Field Personnel: RC Becken
Weather Conditions: cool clear			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 37.6	Riser Pipe Diameter (in) 2 in.				
Measured Water Level (TOR - ft) 20.97	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38	
Calculated Water Column Height (ft) 16.63	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60	
One Well Volume (gals.) 3.16	FiveWell Volumes (gals.) 15.8				
Notes:					

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
3.2	~3.2	51.5	1.94	19.7	
	~6.4	50.3	1.16	18.0	
	~9.6	50.5	1.00	12.7	
	~12.8	50.6	0.99	7.41	

Comments:

Sampling Information

Date: 4/13/07	Time Sampled: 1125	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 23.0		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-56	49.5	8.01	6.05	19.4	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C. Becken	Date: 4/13/07

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

Monitoring Well I.D.: B-57	Date: 4/13/09	Time Started: 1030	Field Personnel: RC Becken
Weather Conditions: clear & cool			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 50.57	Riser Pipe Diameter (in) 2 in.				
Measured Water Level (TOR - ft) 22.15	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38	
Calculated Water Column Height (ft) 28.4	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60	
One Well Volume (gals.) 4.8	FiveWell Volumes (gals.) 24.14				
Notes:					

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
4.8	~5	51.2	2.49	12.6	
	~10	50.4	2.53	19.6	well dry at appx 5 gal

Comments:

Sampling Information

Date: 4/13/09	Time Sampled: 11.35	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 45.65		

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
B57	49.3	7.29	2.43	68.5	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date:

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

Monitoring Well I.D.: P-2	Date: 4/16/09	Time Started: 1310	Field Personnel: RC Becken
Weather Conditions: sunny warm			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/16/09	Time Sampled: 1310	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 20.81

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
P-2	53.1	6.3	1.11	7.78	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: P-3	Date: 4/15/09	Time Started: 1325	Field Personnel: RC Becken
Weather Conditions: Sunny warm			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/15/09	Time Sampled: 1325	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 28.6			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
P-3	54.5	6.82	1.65	14.4	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/15/09

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

Monitoring Well I.D.: P-4	Date: 4/14/09	Time Started: 1525	Field Personnel: RC Becken
Weather Conditions: windy cloudy cool			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/14/09	Time Sampled: 1525	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 22.07			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
P-4	52.8	6.47	1.19	3.89	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/14/09

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

Monitoring Well I.D.: PW-1	Date: 4/15/09	Time Started: 1030	Field Personnel: RC Becken

Weather Conditions:

Comments:

Initial Readings

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

Notes:

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/15/09	Time Sampled: 1050	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 22.31

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
PW-1	52.9	6.05	0.87	2.95	

QA/QC Samples Taken: Field Dup #2

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date:

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

Monitoring Well I.D.: PW-3	Date: 4/13/09	Time Started:	Field Personnel: RC Becken
Weather Conditions:			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/13/09	Time Sampled: 1445	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 10.8			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
PW-3	47.3	7.23	1.51	3.19	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/13/09

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

Monitoring Well I.D.: PW-4	Date: 4/16/09	Time Started: 1300	Field Personnel: RC Becken
Weather Conditions: clear, sunny, warm			
Comments:			

Initial Readings

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

Well Conditions

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

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

Purge Information

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

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

Comments:

Sampling Information

Date: 4/16/09	Time Sampled: 1300	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 8.26			

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
PW-4	53.6	5.99	0.74	3.01	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/16/09

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

Monitoring Well I.D.: Quarry Pond	Date: 4/20/09	Time Started: 1245	Field Personnel: RC Becken
Weather Conditions: Rain 40°			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 4/20/09	Time Sampled: 1245	Field Personnel: R C Becken	
Measured Water Level (TOR ft.):			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
Quarry Pond	46.5	8.10	1.86	0.17	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/20/09

APPENDIX B

LABORATORY DATA REPORTS

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared 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 30, 2009

SAMPLE GROUP

The sample group for this submittal is 1141334. Samples arrived at the laboratory on Tuesday, April 21, 2009. The PO# for this group is 0001W-0014 and the release number is BARBER.

Client Description	Lancaster Labs Number
B-10 Water	5651166
B-22 Water	5651167
Quarry Pond Water	5651168
B-38 Water	5651169
B-21 Water	5651170
B-21 Matrix Spike Water	5651171
B-21 Matrix Spike Dup Water	5651172
B-28 Water	5651173

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

1 COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
1 COPY TO	Data Package Group	

Lancaster Laboratories

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

Analysis Report

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

Respectfully Submitted,

Susan M. Goshert
Group Leader

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 5651166 **Group No. 1141334**
NY

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

Collected: 04/20/2009 15:00 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	5.0		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	3.0	J	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	35		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	1.88		0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5651166

Group No. 1141334
NY

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

Collected: 04/20/2009 15:00 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB10

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0097		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	270		20.0	40.0	100
00368	Nitrate Nitrogen	14797-55-8	0.65		0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.		0.40	0.50	5
00228	Sulfate	14808-79-8	66.9		1.5	5.0	5
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.3		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	29.0	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		4.4	4.4	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 04:36	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 04:36	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 04:36	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091120000A	04/23/2009 13:45	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091141848003	04/25/2009 09:16	Choon Y Tian	1
07058	Manganese	SW-846 6010B	1	091141848003	04/25/2009 09:16	Choon Y Tian	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091141848003	04/24/2009 19:30	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	09111196601A	04/23/2009 10:28	Ashley M Heckman	100
00368	Nitrate Nitrogen	EPA 300.0	1	09111196601A	04/21/2009 16:54	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09111196601A	04/21/2009 16:54	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09111196601A	04/21/2009 16:54	Ashley M Heckman	5
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09114049501A	04/24/2009 00:33	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09114400101B	04/24/2009 07:30	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09112023502A	04/22/2009 06:57	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651167 **Group No. 1141334**
NY

B-22 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-22

Collected: 04/20/2009 11:35 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	150		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	3.8	J	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	39		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	9.9		1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	6.4	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.107	J	0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5651167

Group No. 1141334
NY

B-22 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-22

Collected: 04/20/2009 11:35 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB22

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0145		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	85.7		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	443		15.0	50.0	50
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.6		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	15.3	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		5.3	5.3	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 04:57	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 04:57	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 04:57	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091120000A	04/23/2009 14:00	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091141848003	04/25/2009 08:51	Choon Y Tian	1
07058	Manganese	SW-846 6010B	1	091141848003	04/25/2009 08:51	Choon Y Tian	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091141848003	04/24/2009 19:30	Mirit S Shenouda	1
00224	Chloride	EPA 300.0	1	09111196601A	04/23/2009 12:02	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09111196601A	04/21/2009 18:12	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09111196601A	04/21/2009 18:12	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09111196601A	04/23/2009 12:17	Ashley M Heckman	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09114049501A	04/24/2009 00:54	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09114400101B	04/24/2009 07:30	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09112023502A	04/22/2009 06:57	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651168

Group No. 1141334
NY

Quarry Pond Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY Quarry Pon

Collected: 04/20/2009 12:45 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SQUPO

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651168

Group No. 1141334
NY

Quarry Pond Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY Quarry Pon

Collected: 04/20/2009 12:45 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SQUPO

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 05:18	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 05:18	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 05:18	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651169 **Group No. 1141334**
NY

B-38 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-38

Collected: 04/20/2009 12:35 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB38

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	64		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	1.0	J	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	23		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	2.0	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651169

Group No. 1141334
NY

B-38 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-38

Collected: 04/20/2009 12:35 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB38

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 05:38	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 05:38	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 05:38	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651170

Group No. 1141334
NY

B-21 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-21

Collected: 04/20/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651170

Group No. 1141334
NY

B-21 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-21

Collected: 04/20/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB21

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 02:33	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 02:33	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 02:33	Holly Berry	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651171

Group No. 1141334
NY

B-21 Matrix Spike Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-21

Collected: 04/20/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	16	1.0	5.0	1
00310	Bromobenzene	108-86-1	20	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	21	1.0	5.0	1
06886	Bromoform	75-25-2	21	1.0	5.0	1
06886	Bromomethane	74-83-9	21	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
06886	Chlorobenzene	108-90-7	21	0.80	5.0	1
06886	Chloroethane	75-00-3	20	1.0	5.0	1
00310	2-Chloroethyl Vinyl Ether	110-75-8	18	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
06886	Chloroform	67-66-3	21	0.80	5.0	1
06886	Chloromethane	74-87-3	22	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	21	1.0	5.0	1
06886	Dibromomethane	74-95-3	20	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	24	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	20	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
06886	Methylene Chloride	75-09-2	22	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	21	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	18	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	24	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
06886	Trichloroethene	79-01-6	22	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	22	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
06886	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.

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651171

Group No. 1141334
NY

B-21 Matrix Spike Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-21

Collected: 04/20/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB21

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 02:54	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 02:54	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 02:54	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651172

Group No. 1141334
NY

B-21 Matrix Spike Dup Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-21

Collected: 04/20/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	16	1.0	5.0	1
00310	Bromobenzene	108-86-1	20	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	21	1.0	5.0	1
06886	Bromoform	75-25-2	22	1.0	5.0	1
06886	Bromomethane	74-83-9	21	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
06886	Chlorobenzene	108-90-7	21	0.80	5.0	1
06886	Chloroethane	75-00-3	20	1.0	5.0	1
00310	2-Chloroethyl Vinyl Ether	110-75-8	19	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
06886	Chloroform	67-66-3	21	0.80	5.0	1
06886	Chloromethane	74-87-3	22	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	21	1.0	5.0	1
06886	Dibromomethane	74-95-3	20	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	23	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	19	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	23	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	18	1.0	5.0	1
06886	Methylene Chloride	75-09-2	21	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	21	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	17	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	24	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
06886	Trichloroethene	79-01-6	22	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	22	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
06886	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.

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651172

Group No. 1141334
NY

B-21 Matrix Spike Dup Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-21

Collected: 04/20/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB21

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 03:14	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 03:14	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 03:14	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651173

Group No. 1141334
NY

B-28 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-28

Collected: 04/20/2009 09:46 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5651173

Group No. 1141334
NY

B-28 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-28

Collected: 04/20/2009 09:46 by RCB

Account Number: 12495

Submitted: 04/21/2009 09:05
Reported: 04/30/2009 at 16:07
Discard: 05/31/2009

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

SAB28

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091132BB	04/24/2009 04:15	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091132BB	04/24/2009 04:15	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091132BB	04/24/2009 04:15	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1141334
Reported: 04/30/09 at 04:07 PM

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: Y091132BB	Sample number(s): 5651166-5651173								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	83		65-118		
Bromobenzene	N.D.	1.0	5.0	ug/l	97		83-109		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	99		79-118		
Bromoform	N.D.	1.0	5.0	ug/l	108		67-112		
Bromomethane	N.D.	1.0	5.0	ug/l	94		45-126		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	105		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		82-111		
Chloroethane	N.D.	1.0	5.0	ug/l	94		55-119		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	91		39-151		
Chloroform	N.D.	0.80	5.0	ug/l	99		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	102		65-134		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	101		78-113		
Dibromomethane	N.D.	1.0	5.0	ug/l	99		84-115		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		85-107		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		82-110		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		85-107		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	100		55-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	98		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	93		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	107		77-119		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101		85-115		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104		83-116		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	96		82-113		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		77-116		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		81-116		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101		81-113		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	87		71-117		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	110		79-115		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	100		81-137		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	100		83-113		
Trichloroethene	N.D.	1.0	5.0	ug/l	101		85-114		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	98		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	88		79-116		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	85		63-129		
Batch number: 091120000A	Sample number(s): 5651166-5651167								
Ethane	N.D.	1.0	5.0	ug/l	105		80-120		
Ethene	N.D.	1.0	5.0	ug/l	105		80-120		
Methane	N.D.	5.0	15	ug/l	103		80-120		
Batch number: 091141848003	Sample number(s): 5651166-5651167								
Iron	N.D.	0.0522	0.200	mg/l	111		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	110		90-110		
Batch number: 09111196601A	Sample number(s): 5651166-5651167								

*- 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: 1141334
Reported: 04/30/09 at 04:07 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloride	N.D.	0.20	0.40	mg/l	101		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	103		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	103		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	100		89-110		
Batch number: 09114049501A	Sample number(s): 5651166-5651167								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	100		93-112		
Batch number: 09112023502A	Sample number(s): 5651166-5651167								
Biochemical Oxygen Demand					99	93	85-115	6	8
Batch number: 09114400101B	Sample number(s): 5651166-5651167								
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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y091132BB	Sample number(s): 5651166-5651173 UNSPK: 5651170								
Benzyl Chloride	82	82	62-120	1	30				
Bromobenzene	101	99	82-115	2	30				
Bromodichloromethane	106	106	78-125	1	30				
Bromoform	106	108	62-113	2	30				
Bromomethane	105	103	48-136	2	30				
Carbon Tetrachloride	117	117	81-138	0	30				
Chlorobenzene	106	105	86-118	1	30				
Chloroethane	101	99	58-134	2	30				
2-Chloroethyl Vinyl Ether	92	95	10-151	4	30				
Chloroform	107	105	81-134	1	30				
Chloromethane	112	109	67-154	2	30				
Dibromochloromethane	106	106	74-116	1	30				
Dibromomethane	101	101	83-119	0	30				
1,2-Dichlorobenzene	100	99	83-113	2	30				
1,3-Dichlorobenzene	103	101	82-115	2	30				
1,4-Dichlorobenzene	103	102	83-113	2	30				
Dichlorodifluoromethane	118	116	63-187	2	30				
1,1-Dichloroethane	104	104	84-129	0	30				
1,2-Dichloroethane	98	96	66-141	2	30				
1,1-Dichloroethene	119	117	87-134	1	30				
cis-1,2-Dichloroethene	110	110	85-125	0	30				
trans-1,2-Dichloroethene	116	118	87-126	2	30				
1,2-Dichloropropane	103	103	83-124	0	30				
cis-1,3-Dichloropropene	100	98	77-117	2	30				
trans-1,3-Dichloropropene	93	92	74-119	2	30				
Methylene Chloride	108	107	79-120	1	30				
1,1,1,2-Tetrachloroethane	106	105	82-119	1	30				
1,1,2,2-Tetrachloroethane	88	86	73-119	3	30				
Tetrachloroethene	121	118	80-128	2	30				
1,1,1-Trichloroethane	111	112	85-151	1	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1141334
Reported: 04/30/09 at 04:07 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	102	100	77-124	2	30				
Trichloroethene	112	111	88-125	1	30				
Trichlorofluoromethane	110	110	73-152	0	30				
1,2,3-Trichloropropane	88	90	76-118	2	30				
Vinyl Chloride	95	95	65-147	0	30				
Batch number: 091120000A	Sample number(s): 5651166-5651167 UNSPK: P647584								
Ethane	120	136*	68-131	12	20				
Ethene	85	95	46-164	11	20				
Methane	-19000 (2)	-19000 (2)	35-157	0	20				
Batch number: 091141848003	Sample number(s): 5651166-5651167 UNSPK: 5651167 BKG: 5651167								
Iron	110	103	75-125	6	20	0.107 J	0.118 J	9 (1)	20
Manganese	107	107	75-125	0	20	0.0145	0.0145	0 (1)	20
Batch number: 09111196601A	Sample number(s): 5651166-5651167 UNSPK: 5651166 BKG: 5651166								
Chloride	117*		90-110			270	294	8	20
Nitrate Nitrogen	97		90-110			0.65	0.64	2 (1)	20
Nitrite Nitrogen	97		90-110			N.D.	N.D.	0 (1)	20
Sulfate	102		90-110			66.9	67.3	1	20
Batch number: 09114049501A	Sample number(s): 5651166-5651167 UNSPK: 5651166 BKG: 5651166								
Dissolved Organic Carbon	103		66-125			1.3	1.2	4* (1)	2
Batch number: 09112023502A	Sample number(s): 5651166-5651167 UNSPK: 5651166 BKG: P652198								
Biochemical Oxygen Demand	93	96	77-142	3	8	948	933	2	14
Batch number: 09114400101B	Sample number(s): 5651166-5651167 UNSPK: P652127 BKG: P652127								
Chemical Oxygen Demand	92		90-110			65.5	56.4	15* (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: Volatile Headspace Hydrocarbon
Batch number: 091120000A

	Propene
5651166	66
5651167	79
Blank	114
LCS	114
MS	116
MSD	80
Limits:	42-131

Analysis Name: Appendix IX by 8260 - water

*- 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: 1141334
Reported: 04/30/09 at 04:07 PM

Surrogate Quality Control

Batch number: Y091132BB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5651166	96	93	89	83
5651167	97	95	89	83
5651168	98	95	89	83
5651169	97	96	88	82
5651170	98	97	88	82
5651171	95	93	90	88
5651172	95	96	91	89
5651173	97	97	87	82
Blank	98	97	89	84
LCS	94	95	90	89
MS	95	93	90	88
MSD	95	96	91	89
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 #: 1141334

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 Chronicle 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:

06886: Appendix IX by 8260 - water
Sample #s: 5651166, 5651167, 5651168, 5651169, 5651170, 5651171, 5651172, 5651173
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

07105: Volatile Headspace Hydrocarbon
Batch #: 091120000A (Sample number(s): 5651166-5651167 UNSPK: P647584)
The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methane, Ethane

00224: Chloride
Batch #: 09111196601A (Sample number(s): 5651166-5651167 UNSPK: 5651166 BKG: 5651166)
The recovery for the above analytes in the MS was outside the acceptance window.

07547: Dissolved Organic Carbon
Batch #: 09114049501A (Sample number(s): 5651166-5651167 UNSPK: 5651166 BKG: 5651166)
The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand
Batch #: 09114400101B (Sample number(s): 5651166-5651167 UNSPK: P652127 BKG: P652127)
The duplicate RPD for the above analyte exceeded the acceptance window.

Acct#12495 Grp#1141334 Sample#5651166-74

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

Page 1 of ___

BP/ARC Project Name: BP, Sanborn
BP/ARC Facility No:
Req Due Date (mm/dd/yy):
Rush TAT: Yes ___ No ___
Lab Work Order Number:

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No: 445032
Lab PM: Jessica Oknefski	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviereDr. Suite 350, Buffalo,NY 14202
Lab Phone: (717)656-2300 ext. 1815	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: 0001W-0014	Phone: (716) 407-4990
Lab Bottle Order No: 74256 / 74468 74256	Accounting Mode: Provision 10 OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 50 Activity: 21	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: William Barber		
EBM Phone: (216) 271-8038		
EBM Email: Barberwb@BP.com		

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor		Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		8260	8015 B/8K 507-175	DOC 415.1	BOD 5210B	COD 410.4	Iron/Manganese 6010	Cl, SO_4, NO_3, NO_2 300.0			Comments
	B-10	4/20/09	1500		X			11	X	X	X	X			3	2	1	1	1	1	2			Med
	B-22		1135		X			11	X	X	X	X			3	2	1	1	1	1	2			Med
	Quarry Pond		1245		X			3	X						3									Low
	B-38		1235		X			3	X						3									Med
	B-21		1030		X			3	X						3									Low
	B-21 MS		1030		X			3	X						3									Low
	B-21 MSD		1030		X			3	X						3									Low
	B-28		0946		X			3	X						3									Low

Matrix; No. Containers / Preservative; Requested Analyses

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

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

	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Richard C. Becken						
Sampler's Company: O&M Enterprises, Inc.	Richard C Becken	4/20/09	1830			
Shipment Method: Fed Ex Ship Date: 4/20/09						
Shipment Tracking No: 868873625690				[signature] LLI	4/21/09	905

Special Instructions:

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

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 4/21/09

Time of Receipt: 905

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	0429993	5.0C	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
[signature]	4/21/09	950	Unpacking / to Storage
[signature]	4-21-09	1011	Place in Storage or (Entry)
			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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

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 quatitated 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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Analysis Report

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 27, 2009

SAMPLE GROUP

The sample group for this submittal is 1140978. Samples arrived at the laboratory on Friday, April 17, 2009. The PO# for this group is 0001W-0014 and the release number is BARBER.

Client Description	Lancaster Labs Number
B-6 Water	5649163
B-9 Water	5649164
P-2 Water	5649165
PW-4 Water	5649166
B-40 Water	5649167
B-39 Water	5649168
B-41 Water	5649169

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

1 COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
1 COPY TO	Data Package Group	

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Analysis Report

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

Respectfully Submitted,

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649163 **Group No. 1140978**
NY

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

Collected: 04/16/2009 14:00 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SANB6

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	27		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	0.90	J	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	270		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649163

Group No. 1140978
NY

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

Collected: 04/16/2009 14:00 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SANB6

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 19:05	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 19:05	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 19:05	Nicholas R Rossi	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649164

Group No. 1140978
NY

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

Collected: 04/16/2009 14:40 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SANB9

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649164

Group No. 1140978
NY

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

Collected: 04/16/2009 14:40 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SANB9

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 19:26	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 19:26	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 19:26	Nicholas R Rossi	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649165 **Group No. 1140978**
NY

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

Collected: 04/16/2009 13:10 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SANP2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	190	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	31	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	780	8.0	50	10
06886	trans-1,2-Dichloroethene	156-60-5	5.1	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	1,100	8.0	50	10
06886	1,1,2-Trichloroethane	79-00-5	4.6 J	0.80	5.0	1
06886	Trichloroethene	79-01-6	260	10	50	10
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	Vinyl Chloride	75-01-4	160	1.0	5.0	1

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

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649165

Group No. 1140978
NY

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

Collected: 04/16/2009 13:10 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SANP2

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 19:47	Nicholas R Rossi	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 20:07	Nicholas R Rossi	10
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 19:47	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 19:47	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091112AA	04/21/2009 20:07	Nicholas R Rossi	10

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649166

Group No. 1140978
NY

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

Collected: 04/16/2009 13:00 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAPW4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	2.7	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	21		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649166

Group No. 1140978
NY

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

Collected: 04/16/2009 13:00 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAPW4

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 20:28	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 20:28	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 20:28	Nicholas R Rossi	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649167 **Group No. 1140978**
NY

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

Collected: 04/16/2009 11:30 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAB40

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	3.9	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	2.5	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	8.6	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.		0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5649167 **Group No. 1140978**
NY

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

Collected: 04/16/2009 11:30 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAB40

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0259		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	46.1		4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	0.35	J	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.		0.40	0.50	5
00228	Sulfate	14808-79-8	705		60.0	200	200
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.5		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	15.3	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		3.6	3.6	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 20:48	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 20:48	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 20:48	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091120000A	04/23/2009 12:47	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:36	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:36	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09107130102A	04/21/2009 15:45	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09107130102A	04/18/2009 00:11	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09107130102A	04/18/2009 00:11	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09107130102A	04/21/2009 17:11	Ashley M Heckman	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501B	04/21/2009 05:54	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023502A	04/17/2009 13:27	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649168 **Group No. 1140978**
NY

B-39 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-30

Collected: 04/16/2009 12:35 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAB30

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	1.7	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	4.1	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	1.3	J	1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	9.4	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.381		0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5649168

Group No. 1140978
NY

B-39 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-30

Collected: 04/16/2009 12:35 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAB30

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0181		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	78.0		4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	1.2		0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.		0.40	0.50	5
00228	Sulfate	14808-79-8	252		6.0	20.0	20
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.1		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	15.3	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		2.4	2.4	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 21:08	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 21:08	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 21:08	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091120000A	04/23/2009 13:16	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:40	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:40	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09107130102A	04/21/2009 18:04	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09107130102A	04/18/2009 01:43	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09107130102A	04/18/2009 01:43	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09107130102A	04/21/2009 18:04	Ashley M Heckman	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501B	04/21/2009 06:30	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023502A	04/17/2009 13:27	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5649169 **Group No. 1140978**
NY

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

Collected: 04/16/2009 09:40 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAB41

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	6.8		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	1.4	J	1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	5.6	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.166	J	0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5649169

Group No. 1140978
NY

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

Collected: 04/16/2009 09:40 by RCB

Account Number: 12495

Submitted: 04/17/2009 09:00
Reported: 04/27/2009 at 18:31
Discard: 05/28/2009

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

SAB41

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0152		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	69.8		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	139		15.0	50.0	50
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.3		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	17.6	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		2.7	2.7	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091112AA	04/21/2009 21:28	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091112AA	04/21/2009 21:28	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091112AA	04/21/2009 21:28	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091120000A	04/23/2009 13:31	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 01:17	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 01:17	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09107130102A	04/21/2009 18:21	Ashley M Heckman	50
00368	Nitrate Nitrogen	EPA 300.0	1	09107130102A	04/18/2009 02:01	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09107130102A	04/18/2009 02:01	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09107130102A	04/21/2009 18:21	Ashley M Heckman	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501B	04/21/2009 06:37	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023502A	04/17/2009 13:27	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140978
Reported: 04/27/09 at 06:31 PM

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: Y091112AA	Sample number(s): 5649163-5649169								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	83		65-118		
Bromobenzene	N.D.	1.0	5.0	ug/l	93		83-109		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	97		79-118		
Bromoform	N.D.	1.0	5.0	ug/l	100		67-112		
Bromomethane	N.D.	1.0	5.0	ug/l	96		45-126		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	98		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	96		82-111		
Chloroethane	N.D.	1.0	5.0	ug/l	92		55-119		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	90		39-151		
Chloroform	N.D.	0.80	5.0	ug/l	97		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	101		65-134		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	99		78-113		
Dibromomethane	N.D.	1.0	5.0	ug/l	97		84-115		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		85-107		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		82-110		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94		85-107		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	86		55-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	96		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	94		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	97		77-119		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		85-115		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		83-116		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	99		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95		82-113		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	89		77-116		
Methylene Chloride	N.D.	2.0	5.0	ug/l	98		81-116		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		81-113		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	89		71-117		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	101		79-115		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	95		81-137		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	95		83-113		
Trichloroethene	N.D.	1.0	5.0	ug/l	99		85-114		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	86		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	87		79-116		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	88		63-129		
Batch number: 091120000A	Sample number(s): 5649167-5649169								
Ethane	N.D.	1.0	5.0	ug/l	105		80-120		
Ethene	N.D.	1.0	5.0	ug/l	105		80-120		
Methane	N.D.	5.0	15	ug/l	103		80-120		
Batch number: 091101848005	Sample number(s): 5649167-5649169								
Iron	N.D.	0.0522	0.200	mg/l	101		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 09107130102A	Sample number(s): 5649167-5649169								

*- 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: 1140978
Reported: 04/27/09 at 06:31 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloride	N.D.	0.20	0.40	mg/l	107		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	106		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	108		89-110		
Batch number: 09111049501B	Sample number(s): 5649167-5649169								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	99		93-112		
Batch number: 09107023502A	Sample number(s): 5649167-5649169								
Biochemical Oxygen Demand					100	98	85-115	3	8
Batch number: 09110400102A	Sample number(s): 5649167-5649169								
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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y091112AA	Sample number(s): 5649163-5649169 UNSPK: P650490								
Benzyl Chloride	86	84	62-120	2	30				
Bromobenzene	101	99	82-115	2	30				
Bromodichloromethane	101	100	78-125	2	30				
Bromoform	103	99	62-113	4	30				
Bromomethane	103	106	48-136	3	30				
Carbon Tetrachloride	113	113	81-138	0	30				
Chlorobenzene	104	103	86-118	0	30				
Chloroethane	106	108	58-134	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	104	102	81-134	2	30				
Chloromethane	116	115	67-154	1	30				
Dibromochloromethane	100	99	74-116	1	30				
Dibromomethane	97	95	83-119	2	30				
1,2-Dichlorobenzene	100	99	83-113	2	30				
1,3-Dichlorobenzene	103	101	82-115	2	30				
1,4-Dichlorobenzene	101	102	83-113	1	30				
Dichlorodifluoromethane	114	114	63-187	0	30				
1,1-Dichloroethane	105	103	84-129	2	30				
1,2-Dichloroethane	96	93	66-141	3	30				
1,1-Dichloroethene	113	112	87-134	1	30				
cis-1,2-Dichloroethene	107	104	85-125	3	30				
trans-1,2-Dichloroethene	107	102	87-126	5	30				
1,2-Dichloropropane	102	102	83-124	0	30				
cis-1,3-Dichloropropene	98	96	77-117	2	30				
trans-1,3-Dichloropropene	93	90	74-119	3	30				
Methylene Chloride	103	102	79-120	1	30				
1,1,1,2-Tetrachloroethane	102	100	82-119	2	30				
1,1,2,2-Tetrachloroethane	91	89	73-119	2	30				
Tetrachloroethene	112	114	80-128	1	30				
1,1,1-Trichloroethane	110	107	85-151	3	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140978
Reported: 04/27/09 at 06:31 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	102	97	77-124	5	30				
Trichloroethene	107	106	88-125	1	30				
Trichlorofluoromethane	107	108	73-152	1	30				
1,2,3-Trichloropropane	92	92	76-118	0	30				
Vinyl Chloride	103	102	65-147	1	30				
Batch number: 091120000A	Sample number(s): 5649167-5649169 UNSPK: P647584								
Ethane	120	136*	68-131	12	20				
Ethene	85	95	46-164	11	20				
Methane	-19000 (2)	-19000 (2)	35-157	0	20				
Batch number: 091101848005	Sample number(s): 5649167-5649169 UNSPK: 5649169 BKG: 5649169								
Iron	98	97	75-125	1	20	0.166 J	0.156 J	6 (1)	20
Manganese	103	103	75-125	0	20	0.0152	0.0154	1 (1)	20
Batch number: 09107130102A	Sample number(s): 5649167-5649169 UNSPK: 5649167 BKG: 5649167								
Chloride	104		90-110			46.1	45.1	2	20
Nitrate Nitrogen	98		90-110			0.35 J	0.35 J	0 (1)	20
Nitrite Nitrogen	101		90-110			N.D.	N.D.	0 (1)	20
Sulfate	101		90-110			705	722	2 (1)	20
Batch number: 09111049501B	Sample number(s): 5649167-5649169 UNSPK: 5649167 BKG: 5649167								
Dissolved Organic Carbon	100		66-125			1.5	1.4	8* (1)	2
Batch number: 09107023502A	Sample number(s): 5649167-5649169 UNSPK: P648909 BKG: P648914								
Biochemical Oxygen Demand	109	105	77-142	3	8	8.4	8.4	0 (1)	14
Batch number: 09110400102A	Sample number(s): 5649167-5649169 UNSPK: P647710 BKG: P647710								
Chemical Oxygen Demand	95		90-110			N.D.	13.0 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: Volatile Headspace Hydrocarbon
Batch number: 091120000A

	Propene
5649167	78
5649168	64
5649169	64
Blank	114
LCS	114
MS	116
MSD	80
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.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140978
Reported: 04/27/09 at 06:31 PM

Surrogate Quality Control

Analysis Name: Appendix IX by 8260 - water
Batch number: Y091112AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5649163	98	98	89	83
5649164	97	97	89	84
5649165	97	93	89	83
5649166	98	99	89	85
5649167	99	101	89	83
5649168	99	96	88	82
5649169	99	100	89	84
Blank	97	97	90	85
LCS	94	96	91	90
MS	94	96	91	89
MSD	93	96	90	90
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Case Narrative

Project Name: BP Sanborn
LLI Group #: 1140978

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 Chronicle 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:

00310: 8260B water special scan
Batch #: Y091112AA (Sample number(s): 5649163-5649169 UNSPK: P650490)
The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: 2-Chloroethyl Vinyl Ether

06886: Appendix IX by 8260 - water
Sample #s: 5649163, 5649164, 5649165, 5649166, 5649167, 5649168, 5649169
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.

07105: Volatile Headspace Hydrocarbon
Batch #: 091120000A (Sample number(s): 5649167-5649169 UNSPK: P647584)
The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methane, Ethane

07547: Dissolved Organic Carbon
Batch #: 09111049501B (Sample number(s): 5649167-5649169 UNSPK: 5649167 BKG: 5649167)
The duplicate RPD for the above analyte exceeded the acceptance window.

04001: Chemical Oxygen Demand
Batch #: 09110400102A (Sample number(s): 5649167-5649169 UNSPK: P647710 BKG: P647710)
The duplicate RPD for the above analyte exceeded the acceptance window.

Acct#12495 Grp#1140978 Sample#5649163-70

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

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:	Sanborn, NY 14132	Consultant/Contractor Project No:	445032
Lab PM:	Jessica Oknefski	Lead Regulatory Agency:	NYSDEC	Address:	40 LaRiviereDr. Suite 350, Buffalo,NY 14202
Lab Phone:	(717)656-2300 ext. 1815	California Global ID No.:		Consultant/Contractor PM:	George Hermance
Lab Shipping Accnt:		Enfos Proposal No:	0001W-0014	Phone:	(716) 407-4990
Lab Bottle Order No:	74256	Accounting Mode:	Provision 10 OOC-BU ___ OOC-RM ___	Email EDD To:	Lorraine Weber
Other Info:		Stage: 50	Activity: 21	Invoice To:	BP/ARC X Contractor ___

BP/ARC EBM: William Barber
EBM Phone: (216) 271-8038
EBM Email: Barberwb@BP.com

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analyses: 8260	8015B/RSK-175	DOC 415.1	BOD 5210B	COD 410.4	Iron/Manganese 6010	Cl, SO_4, NO_3, NO_2 300.0				Report Type & QC Level / Comments
	B-6	4/16/09	1400		X			3	X						3										
	B-9		1440		X			3	X						3										
	P-2		1310		X			3	X						3										
	PW-4		1300		X			3	X						3										
	B-40		1130		X			11	X	X	X	X			3	2	1	1	1	1	2				
	B-39		1235		X			11	X	X	X	X			3	2	1	1	1	1	2				
	B-41		0940		X			11	X	X	X	X			3	2	1	1	1	1	2				

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

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

		Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name:	Richard C. Becken	Richard C Becken	4/16/09	806			
Sampler's Company:	O&M Enterprises, Inc.						
Shipment Method:	Fed Ex Ship Date: 4/16/09						
Shipment Tracking No:	868873625679					4/17/09	0900

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: ~~Yes~~ / No | Temp Blank: ~~Yes~~ / No | Cooler Temp on Receipt: 4.1 °C | Trip Blank: ~~Yes~~ / No | MS/MSD Sample Submitted: Yes / ~~No~~

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 4/17/09

Time of Receipt: 0900

Source Code: 50-1

Unpacker Emp. No.: 1454

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	0177	4.1-C	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 2 (not labeled)

Paperwork Discrepancy/Unpacking Problems:

Rec. B-41 DOC broken

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature]	4/17/09	1035	Unpacking / to storage
[signature]	4-17-09	1250	Place in Storage or (Entry)
			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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

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 quatitated 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.

Lancaster Laboratories

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

Analysis Report

ANALYTICAL RESULTS

Prepared 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 26, 2009

SAMPLE GROUP

The sample group for this submittal is 1140754. Samples arrived at the laboratory on Thursday, April 16, 2009. The PO# for this group is 0001W-0014 and the release number is BARBER.

Client Description	Lancaster Labs Number
B-17 Water	5647720
B-43 Water	5647721
PW-1 Water	5647722
P-3 Water	5647723
Field Dup#2 Water	5647724
B-42 Water	5647725
B-44 Water	5647726

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

1 COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
1 COPY TO	Data Package Group	

Lancaster Laboratories

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

Analysis Report

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

Respectfully Submitted,

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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

Analysis Report

Lancaster Laboratories Sample No. WW 5647720 **Group No. 1140754**
NY

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

Collected: 04/15/2009 09:45 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB17

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		10	50	10
00310	Bromobenzene	108-86-1	N.D.		10	50	10
06886	Bromodichloromethane	75-27-4	N.D.		10	50	10
06886	Bromoform	75-25-2	N.D.		10	50	10
06886	Bromomethane	74-83-9	N.D.		10	50	10
06886	Carbon Tetrachloride	56-23-5	N.D.		10	50	10
06886	Chlorobenzene	108-90-7	N.D.		8.0	50	10
06886	Chloroethane	75-00-3	N.D.		10	50	10
00310	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.						
06886	Chloroform	67-66-3	N.D.		8.0	50	10
06886	Chloromethane	74-87-3	N.D.		10	50	10
06886	Dibromochloromethane	124-48-1	N.D.		10	50	10
06886	Dibromomethane	74-95-3	N.D.		10	50	10
00310	1,2-Dichlorobenzene	95-50-1	N.D.		10	50	10
00310	1,3-Dichlorobenzene	541-73-1	N.D.		10	50	10
00310	1,4-Dichlorobenzene	106-46-7	N.D.		10	50	10
06886	Dichlorodifluoromethane	75-71-8	N.D.		20	50	10
06886	1,1-Dichloroethane	75-34-3	210		10	50	10
06886	1,2-Dichloroethane	107-06-2	N.D.		10	50	10
06886	1,1-Dichloroethene	75-35-4	49	J	8.0	50	10
06886	cis-1,2-Dichloroethene	156-59-2	6,600		80	500	100
06886	trans-1,2-Dichloroethene	156-60-5	35	J	8.0	50	10
06886	1,2-Dichloropropane	78-87-5	N.D.		10	50	10
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		10	50	10
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		10	50	10
06886	Methylene Chloride	75-09-2	N.D.		20	50	10
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		10	50	10
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		10	50	10
06886	Tetrachloroethene	127-18-4	9.4	J	8.0	50	10
06886	1,1,1-Trichloroethane	71-55-6	75		8.0	50	10
06886	1,1,2-Trichloroethane	79-00-5	N.D.		8.0	50	10
06886	Trichloroethene	79-01-6	3,900		100	500	100
06886	Trichlorofluoromethane	75-69-4	N.D.		20	50	10
06886	1,2,3-Trichloropropane	96-18-4	N.D.		10	50	10
06886	Vinyl Chloride	75-01-4	750		10	50	10
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	13		1.0	5.0	1
07105	Ethene	74-85-1	38		1.0	5.0	1
07105	Methane	74-82-8	540		10	30	2
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.330		0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5647720

Group No. 1140754
NY

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

Collected: 04/15/2009 09:45 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB17

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0739		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	305		20.0	40.0	100
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	189		6.0	20.0	20
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.7		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	24.4	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		2.7	2.7	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 02:33	Holly Berry	10
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 02:54	Holly Berry	100
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 02:33	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 02:33	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091091AA	04/20/2009 02:54	Holly Berry	100
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 14:31	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/23/2009 08:42	Dustin A Underkoffler	2
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:18	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:18	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09106196602A	04/22/2009 07:20	Ashley M Heckman	100
00368	Nitrate Nitrogen	EPA 300.0	1	09106196602A	04/17/2009 09:17	Nicole M Kepley	5
01506	Nitrite Nitrogen	EPA 300.0	1	09106196602A	04/16/2009 22:46	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09106196602A	04/22/2009 07:05	Ashley M Heckman	20

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5647720

Group No. 1140754
NY

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

Collected: 04/15/2009 09:45 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB17

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:25	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023501A	04/17/2009 06:58	Hannah M Royer	1

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5647721 **Group No. 1140754**
NY

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

Collected: 04/15/2009 15:00 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB43

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	7.2		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	2.2	J	1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	9.0	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0553	J	0.0522	0.200	1

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5647721 **Group No. 1140754**
NY

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

Collected: 04/15/2009 15:00 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0275	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	59.1	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	998	60.0	200	200
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.5	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.8	2.8	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 23:47	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 23:47	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 23:47	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 14:46	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:23	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:23	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09106196602A	04/22/2009 07:36	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09106196602A	04/17/2009 09:33	Nicole M Kepley	5
01506	Nitrite Nitrogen	EPA 300.0	1	09106196602A	04/16/2009 23:02	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09106196602A	04/22/2009 07:51	Ashley M Heckman	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:32	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023501A	04/17/2009 06:58	Hannah M Royer	1

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5647722

Group No. 1140754
NY

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

Collected: 04/15/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAPW1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		2.0	10	2
00310	Bromobenzene	108-86-1	N.D.		2.0	10	2
06886	Bromodichloromethane	75-27-4	N.D.		2.0	10	2
06886	Bromoform	75-25-2	N.D.		2.0	10	2
06886	Bromomethane	74-83-9	N.D.		2.0	10	2
06886	Carbon Tetrachloride	56-23-5	N.D.		2.0	10	2
06886	Chlorobenzene	108-90-7	N.D.		1.6	10	2
06886	Chloroethane	75-00-3	N.D.		2.0	10	2
00310	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.						
06886	Chloroform	67-66-3	N.D.		1.6	10	2
06886	Chloromethane	74-87-3	N.D.		2.0	10	2
06886	Dibromochloromethane	124-48-1	N.D.		2.0	10	2
06886	Dibromomethane	74-95-3	N.D.		2.0	10	2
00310	1,2-Dichlorobenzene	95-50-1	N.D.		2.0	10	2
00310	1,3-Dichlorobenzene	541-73-1	N.D.		2.0	10	2
00310	1,4-Dichlorobenzene	106-46-7	N.D.		2.0	10	2
06886	Dichlorodifluoromethane	75-71-8	N.D.		4.0	10	2
06886	1,1-Dichloroethane	75-34-3	11		2.0	10	2
06886	1,2-Dichloroethane	107-06-2	N.D.		2.0	10	2
06886	1,1-Dichloroethene	75-35-4	2.8	J	1.6	10	2
06886	cis-1,2-Dichloroethene	156-59-2	400		1.6	10	2
06886	trans-1,2-Dichloroethene	156-60-5	3.6	J	1.6	10	2
06886	1,2-Dichloropropane	78-87-5	N.D.		2.0	10	2
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.0	10	2
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.0	10	2
06886	Methylene Chloride	75-09-2	N.D.		4.0	10	2
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		2.0	10	2
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.0	10	2
06886	Tetrachloroethene	127-18-4	N.D.		1.6	10	2
06886	1,1,1-Trichloroethane	71-55-6	11		1.6	10	2
06886	1,1,2-Trichloroethane	79-00-5	N.D.		1.6	10	2
06886	Trichloroethene	79-01-6	1,300		20	100	20
06886	Trichlorofluoromethane	75-69-4	N.D.		4.0	10	2
06886	1,2,3-Trichloropropane	96-18-4	N.D.		2.0	10	2
06886	Vinyl Chloride	75-01-4	19		2.0	10	2

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

General Sample Comments

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

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5647722

Group No. 1140754
NY

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

Collected: 04/15/2009 10:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAPW1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 01:10	Holly Berry	2
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 01:31	Holly Berry	20
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 01:10	Holly Berry	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 01:10	Holly Berry	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091091AA	04/20/2009 01:31	Holly Berry	20

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Analysis Report

Lancaster Laboratories Sample No. WW 5647723

Group No. 1140754
NY

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

Collected: 04/15/2009 13:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SANP3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	46		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	1.6	J	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	1.7	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647723

Group No. 1140754
NY

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

Collected: 04/15/2009 13:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SANP3

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 00:08	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 00:08	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 00:08	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647724 **Group No. 1140754**
NY

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

Collected: 04/15/2009 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SADU2

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		2.0	10	2
00310	Bromobenzene	108-86-1	N.D.		2.0	10	2
06886	Bromodichloromethane	75-27-4	N.D.		2.0	10	2
06886	Bromoform	75-25-2	N.D.		2.0	10	2
06886	Bromomethane	74-83-9	N.D.		2.0	10	2
06886	Carbon Tetrachloride	56-23-5	N.D.		2.0	10	2
06886	Chlorobenzene	108-90-7	N.D.		1.6	10	2
06886	Chloroethane	75-00-3	N.D.		2.0	10	2
00310	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.						
06886	Chloroform	67-66-3	N.D.		1.6	10	2
06886	Chloromethane	74-87-3	N.D.		2.0	10	2
06886	Dibromochloromethane	124-48-1	N.D.		2.0	10	2
06886	Dibromomethane	74-95-3	N.D.		2.0	10	2
00310	1,2-Dichlorobenzene	95-50-1	N.D.		2.0	10	2
00310	1,3-Dichlorobenzene	541-73-1	N.D.		2.0	10	2
00310	1,4-Dichlorobenzene	106-46-7	N.D.		2.0	10	2
06886	Dichlorodifluoromethane	75-71-8	N.D.		4.0	10	2
06886	1,1-Dichloroethane	75-34-3	12		2.0	10	2
06886	1,2-Dichloroethane	107-06-2	N.D.		2.0	10	2
06886	1,1-Dichloroethene	75-35-4	2.9	J	1.6	10	2
06886	cis-1,2-Dichloroethene	156-59-2	420		1.6	10	2
06886	trans-1,2-Dichloroethene	156-60-5	3.6	J	1.6	10	2
06886	1,2-Dichloropropane	78-87-5	N.D.		2.0	10	2
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.0	10	2
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.0	10	2
06886	Methylene Chloride	75-09-2	N.D.		4.0	10	2
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		2.0	10	2
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.0	10	2
06886	Tetrachloroethene	127-18-4	N.D.		1.6	10	2
06886	1,1,1-Trichloroethane	71-55-6	11		1.6	10	2
06886	1,1,2-Trichloroethane	79-00-5	N.D.		1.6	10	2
06886	Trichloroethene	79-01-6	1,300		20	100	20
06886	Trichlorofluoromethane	75-69-4	N.D.		4.0	10	2
06886	1,2,3-Trichloropropane	96-18-4	N.D.		2.0	10	2
06886	Vinyl Chloride	75-01-4	20		2.0	10	2

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

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647724

Group No. 1140754
NY

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

Collected: 04/15/2009 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SADU2

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 01:52	Holly Berry	2
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 02:13	Holly Berry	20
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 01:52	Holly Berry	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 01:52	Holly Berry	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091091AA	04/20/2009 02:13	Holly Berry	20

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647725 **Group No. 1140754**
NY

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

Collected: 04/15/2009 13:15 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB42

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	11		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	1.3	J	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	3.7	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.		0.0522	0.200	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647725 **Group No. 1140754**
NY

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

Collected: 04/15/2009 13:15 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0098	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	104	10.0	20.0	50
00368	Nitrate Nitrogen	14797-55-8	0.88	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	107	3.0	10.0	10
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.8	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.3	2.3	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 00:28	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 00:28	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 00:28	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 15:01	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:27	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:27	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09106196602A	04/22/2009 08:07	Ashley M Heckman	50
00368	Nitrate Nitrogen	EPA 300.0	1	09106196602A	04/17/2009 09:48	Nicole M Kepley	5
01506	Nitrite Nitrogen	EPA 300.0	1	09106196602A	04/16/2009 23:17	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09106196602A	04/23/2009 15:38	Ashley M Heckman	10
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:39	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023501A	04/17/2009 06:58	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647726 **Group No. 1140754**
NY

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

Collected: 04/15/2009 11:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB44

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	7.0		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	5.8		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	4.4	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	5.0	J	1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	19		1.0	5.0	1
07105	Ethene	74-85-1	11		1.0	5.0	1
07105	Methane	74-82-8	26		5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.171	J	0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5647726

Group No. 1140754
NY

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

Collected: 04/15/2009 11:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/26/2009 at 23:44
Discard: 05/27/2009

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

SAB44

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0091		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	51.4		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	1,680		150	500	500
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.0		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	26.7	J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	8.2		0.80	3.0	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 00:49	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 00:49	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 00:49	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 15:16	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:31	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:31	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09106196602A	04/22/2009 08:22	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09106196602A	04/17/2009 10:04	Nicole M Kepley	5
01506	Nitrite Nitrogen	EPA 300.0	1	09106196602A	04/16/2009 23:33	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09106196602A	04/22/2009 09:09	Ashley M Heckman	500
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:46	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023501A	04/17/2009 06:58	Hannah M Royer	1

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

Lancaster Laboratories

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

Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140754
Reported: 04/26/09 at 11:44 PM

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: Y091091AA	Sample number(s): 5647720-5647726								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	89		65-118		
Bromobenzene	N.D.	1.0	5.0	ug/l	98		83-109		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	103		79-118		
Bromoform	N.D.	1.0	5.0	ug/l	104		67-112		
Bromomethane	N.D.	1.0	5.0	ug/l	101		45-126		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	109		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		82-111		
Chloroethane	N.D.	1.0	5.0	ug/l	99		55-119		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	92		39-151		
Chloroform	N.D.	0.80	5.0	ug/l	102		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	96		65-134		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102		78-113		
Dibromomethane	N.D.	1.0	5.0	ug/l	100		84-115		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		85-107		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		82-110		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		85-107		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	106		55-152		
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	100		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	107		77-119		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		85-115		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104		83-116		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	97		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		82-113		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		77-116		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		81-116		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		81-113		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	95		71-117		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	106		79-115		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	106		81-137		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	103		83-113		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		85-114		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	103		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	98		79-116		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	82		63-129		
Batch number: 091100006A	Sample number(s): 5647720-5647721,5647725-5647726								
Ethane	N.D.	1.0	5.0	ug/l	105		80-120		
Ethene	N.D.	1.0	5.0	ug/l	105		80-120		
Methane	N.D.	5.0	15	ug/l	102		80-120		
Batch number: 091101848005	Sample number(s): 5647720-5647721,5647725-5647726								
Iron	N.D.	0.0522	0.200	mg/l	101		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 09106196602A	Sample number(s): 5647720-5647721,5647725-5647726								

*- 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: 1140754
Reported: 04/26/09 at 11:44 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloride	N.D.	0.20	0.40	mg/l	96		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	100		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	101		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	101		89-110		
Batch number: 09111049501A	Sample number(s): 5647720-5647721,5647725-5647726								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	99		93-112		
Batch number: 09107023501A	Sample number(s): 5647720-5647721,5647725-5647726								
Biochemical Oxygen Demand					97	97	85-115	0	8
Batch number: 09110400102A	Sample number(s): 5647720-5647721,5647725-5647726								
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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y091091AA	Sample number(s): 5647720-5647726 UNSPK: P647712								
Benzyl Chloride	92	93	62-120	1	30				
Bromobenzene	105	104	82-115	0	30				
Bromodichloromethane	108	109	78-125	1	30				
Bromoform	106	106	62-113	0	30				
Bromomethane	111	114	48-136	3	30				
Carbon Tetrachloride	119	119	81-138	0	30				
Chlorobenzene	108	108	86-118	0	30				
Chloroethane	107	109	58-134	2	30				
2-Chloroethyl Vinyl Ether	96	98	10-151	2	30				
Chloroform	109	109	81-134	0	30				
Chloromethane	103	104	67-154	1	30				
Dibromochloromethane	106	108	74-116	2	30				
Dibromomethane	105	103	83-119	2	30				
1,2-Dichlorobenzene	104	103	83-113	1	30				
1,3-Dichlorobenzene	106	105	82-115	1	30				
1,4-Dichlorobenzene	106	105	83-113	1	30				
Dichlorodifluoromethane	121	124	63-187	3	30				
1,1-Dichloroethane	110	111	84-129	1	30				
1,2-Dichloroethane	104	107	66-141	2	30				
1,1-Dichloroethene	119	122	87-134	3	30				
cis-1,2-Dichloroethene	95	104	85-125	5	30				
trans-1,2-Dichloroethene	119	121	87-126	2	30				
1,2-Dichloropropane	104	105	83-124	1	30				
cis-1,3-Dichloropropene	105	103	77-117	2	30				
trans-1,3-Dichloropropene	100	100	74-119	1	30				
Methylene Chloride	107	109	79-120	2	30				
1,1,1,2-Tetrachloroethane	105	105	82-119	1	30				
1,1,2,2-Tetrachloroethane	97	98	73-119	2	30				
Tetrachloroethene	119	117	80-128	1	30				
1,1,1-Trichloroethane	121	122	85-151	1	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140754
Reported: 04/26/09 at 11:44 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	106	106	77-124	0	30				
Trichloroethene	49*	75*	88-125	7	30				
Trichlorofluoromethane	115	120	73-152	4	30				
1,2,3-Trichloropropane	101	101	76-118	1	30				
Vinyl Chloride	95	97	65-147	3	30				
Batch number: 091100006A	Sample number(s): 5647720-5647721,5647725-5647726 UNSPK: P646321								
Ethane	69	81	68-131	16	20				
Ethene	75	85	46-164	12	20				
Methane	73	83	35-157	13	20				
Batch number: 091101848005	Sample number(s): 5647720-5647721,5647725-5647726 UNSPK: P649169 BKG: P649169								
Iron	98	97	75-125	1	20	0.166 J	0.156 J	6 (1)	20
Manganese	103	103	75-125	0	20	0.0152	0.0154	1 (1)	20
Batch number: 09106196602A	Sample number(s): 5647720-5647721,5647725-5647726 UNSPK: P647710 BKG: P647710								
Chloride	113*		90-110			79.3	80.0	1	20
Nitrate Nitrogen	106		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	92		90-110			N.D.	N.D.	0 (1)	20
Sulfate	112*		90-110			249	251	1	20
Batch number: 09111049501A	Sample number(s): 5647720-5647721,5647725-5647726 UNSPK: P646767 BKG: P646767								
Dissolved Organic Carbon	87		66-125			1.6	1.5	6* (1)	2
Batch number: 09107023501A	Sample number(s): 5647720-5647721,5647725-5647726 UNSPK: P647928 BKG: P648463								
Biochemical Oxygen Demand	102	105	77-142	2	8	215	169	24*	14
Batch number: 09110400102A	Sample number(s): 5647720-5647721,5647725-5647726 UNSPK: P647710 BKG: P647710								
Chemical Oxygen Demand	95		90-110			N.D.	13.0 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: Volatile Headspace Hydrocarbon
Batch number: 091100006A

	Propene
5647720	80
5647721	74
5647725	72
5647726	79
Blank	121
LCS	115
MS	75
MSD	82
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.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140754
Reported: 04/26/09 at 11:44 PM

Surrogate Quality Control

Analysis Name: Appendix IX by 8260 - water
Batch number: Y091091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5647720	94	91	91	86
5647721	96	96	90	86
5647722	95	92	90	84
5647723	96	94	92	86
5647724	96	96	91	85
5647725	95	94	90	85
5647726	96	93	91	86
Blank	97	93	90	87
LCS	95	93	93	89
MS	95	95	91	89
MSD	95	96	92	89
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 #: 1140754

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 Chronicle 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:

06886: Appendix IX by 8260 - water

Batch #: YO91091AA (Sample number(s): 5647720-5647726 UNSPK: P647712)

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

Sample #s: 5647720, 5647721, 5647722, 5647723, 5647724, 5647725, 5647726

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

00224: Chloride

Batch #: 09106196602A (Sample number(s): 5647720-5647721, 5647725-5647726 UNSPK: P647561, P647710 BKG: P647561, P647710)

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

00228: Sulfate

Batch #: 09106196602A (Sample number(s): 5647720-5647721, 5647725-5647726 UNSPK: P647561, P647710 BKG: P647561, P647710)

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

07547: Dissolved Organic Carbon

Batch #: 09111049501A (Sample number(s): 5647720-5647721, 5647725-5647726 UNSPK: P646767 BKG: P646767)

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

04001: Chemical Oxygen Demand

Batch #: 09110400102A (Sample number(s): 5647720-5647721, 5647725-5647726 UNSPK: P647710 BKG: P647710)

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

00235: Biochemical Oxygen Demand

Batch #: 09107023501A (Sample number(s): 5647720-5647721, 5647725-5647726 UNSPK: P647928 BKG: P648463)

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

Acct# 12495 Grp# 1140754 Sample # 5647720-27

Atlantic Richfield Company — A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

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:

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Drive	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No: 445032
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 Accnt:	Enfos Proposal No: 0001W-0014	Phone: 716 407-4990
Lab Bottle Order No: 74256 /	Accounting Mode: Provision 10 OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 50 Activity: 21	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: William Barber		
EBM Phone: 216 271-8038		
EBM Email: Barberwb@BP.com		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Water / Liquid	Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	8015B/ESKSOP-175	Doc 415.1	BOD 5210B	COD 410.4	Iron/Manganese 6010	Cl, SO_4, NO_3, NO_2 300.0	Report Type & QC Level / Comments
	B-17	4/15/09	0945		X		11	X	X	X	X		3	2	1	1	1	1	2	High
	B-43	4/15/09	1500		X		11	X	X	X	X		3	2	1	1	1	1	2	Medium

Standard ___ Full Data Package ___

Comments

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

Sampler's Name: Richard C. Becken	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises, Inc.	Richard C Becken	4/15/09	1800			
Shipment Method: Fed Ex Ship Date:						
Shipment Tracking No:					4/16/09	0915

Special Instructions: 868873625738

THIS LINE LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.5-4.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Acct# 12495 Grp# 1140754 Sample # 5647720-27

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

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: _____

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Drive	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No: 445032
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 Accnt:	Enfos Proposal No: 0001W-0014	Phone: 716 407-4990
Lab Bottle Order No: 74256	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 50 Activity: 21	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: William Barber		
EBM Phone: 216 271-8038		
EBM Email: Barberwb@BP.com		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	8015B/RSK SOP-175	DOC 415.1	BOD 5210B	COD 410.4	Iron/Manganese 6010	Cl, SO_4, NO_3, NO_2 300.0				Report Type & QC Level: Comments
	PW-1	4/15/09	1030		X		3	X					X3										High
	P-3		1325		X		3	X					X3										High
	Field Dup #2				X		3	X					X3										
	B-42		1315		X		11	X	X	X	X		3	2	1	1	1	1	2				Low
	B-44		1130		X		11	X	X	X	X		3	2	1	1	1	1	2				Medium

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

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

Sampler's Name: Richard C. Becken	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises, Inc.	Richard C Becken	4/15/09	1800			
Shipment Method: Fed Ex Ship Date: 4/15/09						
Shipment Tracking No: 868873625716					4/16/09	0915

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.5-4.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 4/16/09

Time of Receipt: 0915

Source Code: 50-1

Unpacker Emp. No.: 1454

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	077	4.1-C	TB	WI	Y	B	
2	↓	3.6-C	↓	↓	↓	↓	
3	↓	3.5-C	↓	↓	↓	↓	
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 6 (not labeled)

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature]	4/16/09	1145	Unpacking / to Storage
Kristin Zeigler	4-16-09		Place in Storage or (Entry)
			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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

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 quatitated 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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Analysis Report

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 27, 2009

SAMPLE GROUP

The sample group for this submittal is 1140753. Samples arrived at the laboratory on Thursday, April 16, 2009. The PO# for this group is 0001W-0014 and the release number is BARBER.

Client Description	Lancaster Labs Number
B-23 Water	5647710
B-24 Water	5647711
B-56 Water	5647712
B-56 Matrix Spike Water	5647713
B-56 Matrix Spike Dup Water	5647714
Field Dup#1 Water	5647715
B-57 Water	5647716
B-8 Water	5647717
PW-3 Water	5647718

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

1 COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
1 COPY TO	Data Package Group	

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Martha L. Seidel
Senior Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647710 **Group No. 1140753**
NY

B-23 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-23

Collected: 04/13/2009 09:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB23

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	1.4	J	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	260		0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	1.6	J	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	21		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	11		1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	6.2	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.276		0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5647710 **Group No. 1140753**
NY

B-23 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-23

Collected: 04/13/2009 09:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0303	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	79.3	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
	The holding time was not met. The sample was submitted to the laboratory outside of the holding time.					
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
	The holding time was not met. The sample was submitted to the laboratory outside of the holding time.					
00228	Sulfate	14808-79-8	249	6.0	20.0	20
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.7	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.4	2.4	1
	The holding time was not met. The sample was submitted to the laboratory outside of the 48-hour holding time.					

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 22:23	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 22:23	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 22:23	Holly Berry	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 13:46	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:10	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:10	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09106196602A	04/22/2009 05:01	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09106196602A	04/17/2009 16:17	Nicole M Kepley	5
01506	Nitrite Nitrogen	EPA 300.0	1	09106196602A	04/16/2009 21:44	Ashley M Heckman	5

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5647710

Group No. 1140753
NY

B-23 Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-23

Collected: 04/13/2009 09:30 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB23

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
00228	Sulfate	EPA 300.0	1	09106196602A	04/22/2009 05:01	Ashley M Heckman	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:10	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023501A	04/17/2009 06:58	Hannah M Royer	1

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Analysis Report

Lancaster Laboratories Sample No. WW 5647711 **Group No. 1140753**
NY

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

Collected: 04/13/2009 12:10 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB24

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	0.99	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	3.2	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647711

Group No. 1140753
NY

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

Collected: 04/13/2009 12:10 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB24

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 22:44	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 22:44	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 22:44	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647712 **Group No. 1140753**
NY

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

Collected: 04/13/2009 11:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	17	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	64	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647712

Group No. 1140753
NY

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

Collected: 04/13/2009 11:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB56

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 18:34	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 18:34	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 18:34	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647713

Group No. 1140753
NY

B-56 Matrix Spike Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-56

Collected: 04/13/2009 11:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	18	1.0	5.0	1
00310	Bromobenzene	108-86-1	21	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	22	1.0	5.0	1
06886	Bromoform	75-25-2	21	1.0	5.0	1
06886	Bromomethane	74-83-9	22	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
06886	Chlorobenzene	108-90-7	22	0.80	5.0	1
06886	Chloroethane	75-00-3	21	1.0	5.0	1
00310	2-Chloroethyl Vinyl Ether	110-75-8	19	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
06886	Chloroform	67-66-3	22	0.80	5.0	1
06886	Chloromethane	74-87-3	21	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	21	1.0	5.0	1
06886	Dibromomethane	74-95-3	21	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	24	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	36	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
06886	Methylene Chloride	75-09-2	21	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	21	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	24	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
06886	Trichloroethene	79-01-6	74	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
06886	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.

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647713

Group No. 1140753
NY

B-56 Matrix Spike Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-56

Collected: 04/13/2009 11:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB56

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 18:55	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 18:55	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 18:55	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647714

Group No. 1140753
NY

B-56 Matrix Spike Dup Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-56

Collected: 04/13/2009 11:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	19	1.0	5.0	1
00310	Bromobenzene	108-86-1	21	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	22	1.0	5.0	1
06886	Bromoform	75-25-2	21	1.0	5.0	1
06886	Bromomethane	74-83-9	23	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
06886	Chlorobenzene	108-90-7	22	0.80	5.0	1
06886	Chloroethane	75-00-3	22	1.0	5.0	1
00310	2-Chloroethyl Vinyl Ether	110-75-8	20	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
06886	Chloroform	67-66-3	22	0.80	5.0	1
06886	Chloromethane	74-87-3	21	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	22	1.0	5.0	1
06886	Dibromomethane	74-95-3	21	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	25	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	38	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
06886	Methylene Chloride	75-09-2	22	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	21	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	23	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
06886	Trichloroethene	79-01-6	79	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
06886	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.

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647714

Group No. 1140753
NY

B-56 Matrix Spike Dup Water
BP Sanborn COC:
2040 Cory Dr - Sanborn, NY B-56

Collected: 04/13/2009 11:25 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB56

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 19:16	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 19:16	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 19:16	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647715 **Group No. 1140753**
NY

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

Collected: 04/13/2009 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SADU1

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	1.1	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	3.3	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647715

Group No. 1140753
NY

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

Collected: 04/13/2009 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SADU1

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 23:04	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 23:04	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 23:04	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647716

Group No. 1140753
NY

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

Collected: 04/13/2009 11:35 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647716

Group No. 1140753
NY

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

Collected: 04/13/2009 11:35 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB57

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/19/2009 23:25	Holly Berry	1
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/19/2009 23:25	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/19/2009 23:25	Holly Berry	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647717 **Group No. 1140753**
NY

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

Collected: 04/13/2009 14:00 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB8-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	100	500	100
00310	Bromobenzene	108-86-1	N.D.	100	500	100
06886	Bromodichloromethane	75-27-4	N.D.	100	500	100
06886	Bromoform	75-25-2	N.D.	100	500	100
06886	Bromomethane	74-83-9	N.D.	100	500	100
06886	Carbon Tetrachloride	56-23-5	N.D.	100	500	100
06886	Chlorobenzene	108-90-7	N.D.	80	500	100
06886	Chloroethane	75-00-3	N.D.	100	500	100
00310	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.					
06886	Chloroform	67-66-3	N.D.	80	500	100
06886	Chloromethane	74-87-3	N.D.	100	500	100
06886	Dibromochloromethane	124-48-1	N.D.	100	500	100
06886	Dibromomethane	74-95-3	N.D.	100	500	100
00310	1,2-Dichlorobenzene	95-50-1	N.D.	100	500	100
00310	1,3-Dichlorobenzene	541-73-1	N.D.	100	500	100
00310	1,4-Dichlorobenzene	106-46-7	N.D.	100	500	100
06886	Dichlorodifluoromethane	75-71-8	N.D.	200	500	100
06886	1,1-Dichloroethane	75-34-3	N.D.	100	500	100
06886	1,2-Dichloroethane	107-06-2	N.D.	100	500	100
06886	1,1-Dichloroethene	75-35-4	N.D.	80	500	100
06886	cis-1,2-Dichloroethene	156-59-2	3,100	80	500	100
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	80	500	100
06886	1,2-Dichloropropane	78-87-5	N.D.	100	500	100
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	100	500	100
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	100	500	100
06886	Methylene Chloride	75-09-2	N.D.	200	500	100
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	100	500	100
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	100	500	100
06886	Tetrachloroethene	127-18-4	N.D.	80	500	100
06886	1,1,1-Trichloroethane	71-55-6	N.D.	80	500	100
06886	1,1,2-Trichloroethane	79-00-5	N.D.	80	500	100
06886	Trichloroethene	79-01-6	61,000	1,000	5,000	1000
06886	Trichlorofluoromethane	75-69-4	N.D.	200	500	100
06886	1,2,3-Trichloropropane	96-18-4	N.D.	100	500	100
06886	Vinyl Chloride	75-01-4	120 J	100	500	100
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.					
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	49	1.0	5.0	1
07105	Ethene	74-85-1	13	1.0	5.0	1
07105	Methane	74-82-8	1,100	25	75	5
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	5.22	0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5647717 **Group No. 1140753**
NY

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

Collected: 04/13/2009 14:00 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB8-

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.252	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	392	40.0	80.0	200
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
	The holding time was not met. The sample was submitted to the laboratory outside of the holding time.					
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
	The holding time was not met. The sample was submitted to the laboratory outside of the holding time.					
00228	Sulfate	14808-79-8	125	6.0	20.0	20
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.3	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	38.1 J	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.8	2.8	1
	The holding time was not met. The sample was submitted to the laboratory outside of the 48-hour holding time.					

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 03:57	Holly Berry	100
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 04:17	Holly Berry	1000
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 03:57	Holly Berry	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 03:57	Holly Berry	100
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091091AA	04/20/2009 04:17	Holly Berry	1000
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 14:01	Dustin A Underkoffler	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/23/2009 08:27	Dustin A Underkoffler	5
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:14	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:14	John W Yanzuk II	1

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

Lancaster Laboratories Sample No. WW 5647717

Group No. 1140753
NY

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

Collected: 04/13/2009 14:00 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAB8-

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09106196602A	04/22/2009 06:49	Ashley M Heckman	200
00368	Nitrate Nitrogen	EPA 300.0	1	09106196602A	04/17/2009 17:03	Nicole M Kepley	5
01506	Nitrite Nitrogen	EPA 300.0	1	09106196602A	04/16/2009 22:31	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09106196602A	04/22/2009 06:18	Ashley M Heckman	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:17	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400102A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09107023501A	04/17/2009 06:58	Hannah M Royer	1

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647718

Group No. 1140753
NY

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

Collected: 04/13/2009 14:45 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAPW3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		5.0	25	5
00310	Bromobenzene	108-86-1	N.D.		5.0	25	5
06886	Bromodichloromethane	75-27-4	N.D.		5.0	25	5
06886	Bromoform	75-25-2	N.D.		5.0	25	5
06886	Bromomethane	74-83-9	N.D.		5.0	25	5
06886	Carbon Tetrachloride	56-23-5	N.D.		5.0	25	5
06886	Chlorobenzene	108-90-7	N.D.		4.0	25	5
06886	Chloroethane	75-00-3	N.D.		5.0	25	5
00310	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.						
06886	Chloroform	67-66-3	N.D.		4.0	25	5
06886	Chloromethane	74-87-3	N.D.		5.0	25	5
06886	Dibromochloromethane	124-48-1	N.D.		5.0	25	5
06886	Dibromomethane	74-95-3	N.D.		5.0	25	5
00310	1,2-Dichlorobenzene	95-50-1	N.D.		5.0	25	5
00310	1,3-Dichlorobenzene	541-73-1	N.D.		5.0	25	5
00310	1,4-Dichlorobenzene	106-46-7	N.D.		5.0	25	5
06886	Dichlorodifluoromethane	75-71-8	N.D.		10	25	5
06886	1,1-Dichloroethane	75-34-3	N.D.		5.0	25	5
06886	1,2-Dichloroethane	107-06-2	N.D.		5.0	25	5
06886	1,1-Dichloroethene	75-35-4	4.5	J	4.0	25	5
06886	cis-1,2-Dichloroethene	156-59-2	730		4.0	25	5
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		4.0	25	5
06886	1,2-Dichloropropane	78-87-5	N.D.		5.0	25	5
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		5.0	25	5
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		5.0	25	5
06886	Methylene Chloride	75-09-2	N.D.		10	25	5
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		5.0	25	5
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		5.0	25	5
06886	Tetrachloroethene	127-18-4	N.D.		4.0	25	5
06886	1,1,1-Trichloroethane	71-55-6	N.D.		4.0	25	5
06886	1,1,2-Trichloroethane	79-00-5	N.D.		4.0	25	5
06886	Trichloroethene	79-01-6	2,200		50	250	50
06886	Trichlorofluoromethane	75-69-4	N.D.		10	25	5
06886	1,2,3-Trichloropropane	96-18-4	N.D.		5.0	25	5
06886	Vinyl Chloride	75-01-4	50		5.0	25	5

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

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5647718

Group No. 1140753
NY

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

Collected: 04/13/2009 14:45 by RCB

Account Number: 12495

Submitted: 04/16/2009 09:15
Reported: 04/27/2009 at 14:12
Discard: 05/28/2009

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

SAPW3

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 03:15	Holly Berry	5
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091091AA	04/20/2009 03:36	Holly Berry	50
00310	8260B water special scan	SW-846 8260B	1	Y091091AA	04/20/2009 03:15	Holly Berry	5
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091091AA	04/20/2009 03:15	Holly Berry	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091091AA	04/20/2009 03:36	Holly Berry	50

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140753
Reported: 04/27/09 at 02:12 PM

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: Y091091AA	Sample number(s): 5647710-5647718								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	89		65-118		
Bromobenzene	N.D.	1.0	5.0	ug/l	98		83-109		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	103		79-118		
Bromoform	N.D.	1.0	5.0	ug/l	104		67-112		
Bromomethane	N.D.	1.0	5.0	ug/l	101		45-126		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	109		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		82-111		
Chloroethane	N.D.	1.0	5.0	ug/l	99		55-119		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	92		39-151		
Chloroform	N.D.	0.80	5.0	ug/l	102		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	96		65-134		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	102		78-113		
Dibromomethane	N.D.	1.0	5.0	ug/l	100		84-115		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		85-107		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		82-110		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		85-107		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	106		55-152		
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	100		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	107		77-119		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		85-115		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104		83-116		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	97		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		82-113		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		77-116		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		81-116		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		81-113		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	95		71-117		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	106		79-115		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	106		81-137		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	103		83-113		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		85-114		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	103		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	98		79-116		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	82		63-129		
Batch number: 091100006A	Sample number(s): 5647710,5647717								
Ethane	N.D.	1.0	5.0	ug/l	105		80-120		
Ethene	N.D.	1.0	5.0	ug/l	105		80-120		
Methane	N.D.	5.0	15	ug/l	102		80-120		
Batch number: 091101848005	Sample number(s): 5647710,5647717								
Iron	N.D.	0.0522	0.200	mg/l	101		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 09106196602A	Sample number(s): 5647710,5647717								

*- 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: 1140753
Reported: 04/27/09 at 02:12 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloride	N.D.	0.20	0.40	mg/l	96		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	100		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	101		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	101		89-110		
Batch number: 09111049501A	Sample number(s): 5647710,5647717								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	99		93-112		
Batch number: 09107023501A	Sample number(s): 5647710,5647717								
Biochemical Oxygen Demand					97	97	85-115	0	8
Batch number: 09110400102A	Sample number(s): 5647710,5647717								
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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y091091AA	Sample number(s): 5647710-5647718 UNSPK: 5647712								
Benzyl Chloride	92	93	62-120	1	30				
Bromobenzene	105	104	82-115	0	30				
Bromodichloromethane	108	109	78-125	1	30				
Bromoform	106	106	62-113	0	30				
Bromomethane	111	114	48-136	3	30				
Carbon Tetrachloride	119	119	81-138	0	30				
Chlorobenzene	108	108	86-118	0	30				
Chloroethane	107	109	58-134	2	30				
2-Chloroethyl Vinyl Ether	96	98	10-151	2	30				
Chloroform	109	109	81-134	0	30				
Chloromethane	103	104	67-154	1	30				
Dibromochloromethane	106	108	74-116	2	30				
Dibromomethane	105	103	83-119	2	30				
1,2-Dichlorobenzene	104	103	83-113	1	30				
1,3-Dichlorobenzene	106	105	82-115	1	30				
1,4-Dichlorobenzene	106	105	83-113	1	30				
Dichlorodifluoromethane	121	124	63-187	3	30				
1,1-Dichloroethane	110	111	84-129	1	30				
1,2-Dichloroethane	104	107	66-141	2	30				
1,1-Dichloroethene	119	122	87-134	3	30				
cis-1,2-Dichloroethene	95	104	85-125	5	30				
trans-1,2-Dichloroethene	119	121	87-126	2	30				
1,2-Dichloropropane	104	105	83-124	1	30				
cis-1,3-Dichloropropene	105	103	77-117	2	30				
trans-1,3-Dichloropropene	100	100	74-119	1	30				
Methylene Chloride	107	109	79-120	2	30				
1,1,1,2-Tetrachloroethane	105	105	82-119	1	30				
1,1,2,2-Tetrachloroethane	97	98	73-119	2	30				
Tetrachloroethene	119	117	80-128	1	30				
1,1,1-Trichloroethane	121	122	85-151	1	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140753
Reported: 04/27/09 at 02:12 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	106	106	77-124	0	30				
Trichloroethene	49*	75*	88-125	7	30				
Trichlorofluoromethane	115	120	73-152	4	30				
1,2,3-Trichloropropane	101	101	76-118	1	30				
Vinyl Chloride	95	97	65-147	3	30				
Batch number: 091100006A	Sample number(s): 5647710,5647717 UNSPK: P646321								
Ethane	69	81	68-131	16	20				
Ethene	75	85	46-164	12	20				
Methane	73	83	35-157	13	20				
Batch number: 091101848005	Sample number(s): 5647710,5647717 UNSPK: P649169 BKG: P649169								
Iron	98	97	75-125	1	20	0.166 J	0.156 J	6 (1)	20
Manganese	103	103	75-125	0	20	0.0152	0.0154	1 (1)	20
Batch number: 09106196602A	Sample number(s): 5647710,5647717 UNSPK: 5647710 BKG: 5647710								
Chloride	113*		90-110			79.3	80.0	1	20
Nitrate Nitrogen	106		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	92		90-110			N.D.	N.D.	0 (1)	20
Sulfate	112*		90-110			249	251	1	20
Batch number: 09111049501A	Sample number(s): 5647710,5647717 UNSPK: P646767 BKG: P646767								
Dissolved Organic Carbon	87		66-125			1.6	1.5	6* (1)	2
Batch number: 09107023501A	Sample number(s): 5647710,5647717 UNSPK: P647928 BKG: P648463								
Biochemical Oxygen Demand	102	105	77-142	2	8	215	169	24*	14
Batch number: 09110400102A	Sample number(s): 5647710,5647717 UNSPK: 5647710 BKG: 5647710								
Chemical Oxygen Demand	95		90-110			N.D.	13.0 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: Volatile Headspace Hydrocarbon
Batch number: 091100006A

	Propene
5647710	76
5647717	72
Blank	121
LCS	115
MS	75
MSD	82
Limits:	42-131

Analysis Name: Appendix IX by 8260 - water
Batch number: Y091091AA

*- 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: 1140753
Reported: 04/27/09 at 02:12 PM

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5647710	96	96	92	87
5647711	96	95	92	87
5647712	96	95	91	86
5647713	95	95	91	89
5647714	95	96	92	89
5647715	96	96	90	86
5647716	96	94	91	86
5647717	95	96	91	84
5647718	96	94	90	85
Blank	97	93	90	87
LCS	95	93	93	89
MS	95	95	91	89
MSD	95	96	92	89
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 #: 1140753

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 Chronicle 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:

06886: Appendix IX by 8260 - water

Batch #: Y091091AA (Sample number(s): 5647710-5647718 UNSPK: 5647712)

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

Sample #s: 5647710, 5647711, 5647712, 5647713, 5647714, 5647715, 5647716, 5647717, 5647718

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

00224: Chloride

Batch #: 09106196602A (Sample number(s): 5647710, 5647717 UNSPK: P647561, P5647710 BKG: P647561, P5647710)

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

00368: Nitrate Nitrogen

Sample #s: 5647710, 5647717

The holding time was not met. The sample was submitted to the laboratory outside of the holding time.

01506: Nitrite Nitrogen

Sample #s: 5647710, 5647717

The holding time was not met. The sample was submitted to the laboratory outside of the holding time.

00228: Sulfate

Batch #: 09106196602A (Sample number(s): 5647710, 5647717 UNSPK: P647561, P5647710 BKG: P647561, P5647710)

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

01506: Nitrite Nitrogen

Sample #s: 5647710, 5647717

The holding time was not met. The sample was submitted to the laboratory outside of the holding time.

07547: Dissolved Organic Carbon

Batch #: 09111049501A (Sample number(s): 5647710, 5647717 UNSPK: P646767 BKG: P646767)

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

04001: Chemical Oxygen Demand

Batch #: 09110400102A (Sample number(s): 5647710, 5647717 UNSPK: 5647710 BKG: 5647710)

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

00235: Biochemical Oxygen Demand

Batch #: 09107023501A (Sample number(s): 5647710, 5647717 UNSPK: P647928 BKG: P648463)

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

Sample #s: 5647710, 5647717

The holding time was not met. The sample was submitted to the laboratory outside of the 48-hour holding time.

Acct# 12495 Grp# H04 1140753 Sample # 5647710-19

Atlantic Richfield Company — A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

Page 1 of 1

BP/ARC Project Name: BP, Sanborn (5) KMZ 4-16-09 | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No ___

BP/ARC Facility No: [redacted] | Lab Work Order Number:

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Drive	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No: 445032
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 Accnt:	Enfos Proposal No: 0001W-0014	Phone: 716 407-4990
Lab Bottle Order No: 74256	Accounting Mode: Provision 10 OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 50 Activity: 21	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: William Barber		
EBM Phone: 216 271-8038		
EBM Email: BarberWB@BP.com		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	8015 B/RSK SOP-175	DOC 415.1	BOD 5210B	COD 410.4	Iron/Manganese 6010	Cl, SO_4, NO_3, NO_2 300.0	Report Type & QC Level
	B-23	4/13/09	0930		X		11	X	X	X	X		3	2	1	1	1	1	2	high
	B-24		1210		X		3	X					3							low
	B-56		1125		X		3	X					3							med
	B-56 MS		1125		X		3	X					3							
	B-56-MSD		1125		X		3	X					3							
	Field Dup #1				X		3	X					3							
	B-57		1135		X		3	X					3							low
	B-8		1400		X		11	X	X	X	X		3	2	1	1	1	1	2	high
	PW-3		1445		X		3	X					3							high

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

NO2/NO3 past hold time. Reporting per G.H. @ 4/20/09

Comments

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

Sampler's Name: Richard C. Becken	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises, Inc.	Richard C Becken	4/13/09				
Shipment Method: Fed Ex Ship Date: 4/13/09						
Shipment Tracking No:					4/14/09	0915

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 3.5-4.1 °C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP/ARC LaMP COC [redacted]

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 4/16/09

Time of Receipt: 0915

Source Code: 50-1

Unpacker Emp. No.: 1454

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	007	4.1-C	TB	WI	Y	B	
2	↓	3.6-C	↓	↓	↓	↓	
3	↓	3.5-C	↓	↓	↓	↓	
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 6 (not labeled)

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature]	4/16/09	1145	Unpacking / to Storage
Kristin Zeigler	4-16-09		Place in Storage or (Entry)
			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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

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 quatitated 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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Analysis Report

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 24, 2009

SAMPLE GROUP

The sample group for this submittal is 1140555. Samples arrived at the laboratory on Wednesday, April 15, 2009. The PO# for this group is 0001W-0014 and the release number is BARBER.

Client Description	Lancaster Labs Number
B-48 Water	5646767
B-49 Water	5646768
B-19 Water	5646769
B-13 Water	5646770
P-4 Water	5646771
P-4 Matrix Spike Water	5646772
P-4 Matrix Spike Dup Water	5646773

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Chronicle.

1 COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
1 COPY TO	Data Package Group	

Lancaster Laboratories

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Analysis Report

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

Respectfully Submitted,

Parker Lindstrom
Senior Chemist

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646767 **Group No. 1140555**
NY

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

Collected: 04/14/2009 09:40 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

Atlantic Richfield(Parsons-NY)
BP Corporation
501 WestLake Park Blvd
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
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	1.0	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	2.9	J	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	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.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	6.2	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.		0.0522	0.200	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646767

Group No. 1140555
NY

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

Collected: 04/14/2009 09:40 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

Atlantic Richfield(Parsons-NY)
BP Corporation
501 WestLake Park Blvd
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
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0138	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	74.6	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	132	15.0	50.0	50
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.6	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	1.9	1.9	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 15:28	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 15:28	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 15:28	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 12:46	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 01:43	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 01:43	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09105196602A	04/21/2009 11:38	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 03:42	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 03:42	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09105196602A	04/23/2009 09:42	Ashley M Heckman	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 04:12	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400101A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09106023501A	04/16/2009 07:22	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646768 **Group No. 1140555**
NY

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

Collected: 04/14/2009 11:15 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

Atlantic Richfield(Parsons-NY)
BP Corporation
501 WestLake Park Blvd
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
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
06886	Bromoform	75-25-2	N.D.	1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.	1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.	1.0	5.0	1
00310	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.					
06886	Chloroform	67-66-3	N.D.	0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.	1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
06886	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.					
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	24	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	64	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.	0.0522	0.200	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646768

Group No. 1140555
NY

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

Collected: 04/14/2009 11:15 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

Atlantic Richfield(Parsons-NY)
BP Corporation
501 WestLake Park Blvd
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
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0196	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	55.6	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	1,690	60.0	200	200
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	0.76 J	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	76.9	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	22.8	0.80	3.0	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 15:48	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 15:48	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 15:48	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 13:01	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 01:48	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 01:48	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09105196602A	04/21/2009 12:24	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 04:29	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 04:29	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09105196602A	04/21/2009 12:40	Ashley M Heckman	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 04:34	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400101A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09106023501A	04/16/2009 07:22	Hannah M Royer	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646769 **Group No. 1140555**
NY

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

Collected: 04/14/2009 13:40 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSB19

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	N.D.		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	N.D.		0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	3.5	J	0.80	5.0	1
06886	trans-1,2-Dichloroethene	156-60-5	N.D.		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	N.D.		0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	N.D.		1.0	5.0	1
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	1.3	J	1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	8.9	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.104	J	0.0522	0.200	1

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

Lancaster Laboratories Sample No. WW 5646769

Group No. 1140555
NY

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

Collected: 04/14/2009 13:40 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSB19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**	**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0203	0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	69.6	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	560	30.0	100	100
EPA 415.1 modified	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.6	0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.0	2.0	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 16:09	Nicholas R Rossi	1
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 16:09	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 16:09	Nicholas R Rossi	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 13:16	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:01	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:01	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09105196602A	04/21/2009 12:55	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 04:44	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 04:44	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09105196602A	04/21/2009 13:11	Ashley M Heckman	100
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 04:41	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400101A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09106023501A	04/16/2009 07:22	Hannah M Royer	1

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5646770 **Group No. 1140555**
NY

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

Collected: 04/14/2009 15:10 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSB13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
00310	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
06886	Bromodichloromethane	75-27-4	N.D.		1.0	5.0	1
06886	Bromoform	75-25-2	N.D.		1.0	5.0	1
06886	Bromomethane	74-83-9	N.D.		1.0	5.0	1
06886	Carbon Tetrachloride	56-23-5	N.D.		1.0	5.0	1
06886	Chlorobenzene	108-90-7	N.D.		0.80	5.0	1
06886	Chloroethane	75-00-3	N.D.		1.0	5.0	1
00310	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.						
06886	Chloroform	67-66-3	N.D.		0.80	5.0	1
06886	Chloromethane	74-87-3	N.D.		1.0	5.0	1
06886	Dibromochloromethane	124-48-1	N.D.		1.0	5.0	1
06886	Dibromomethane	74-95-3	N.D.		1.0	5.0	1
00310	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
00310	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
00310	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
06886	Dichlorodifluoromethane	75-71-8	N.D.		2.0	5.0	1
06886	1,1-Dichloroethane	75-34-3	5.2		1.0	5.0	1
06886	1,2-Dichloroethane	107-06-2	N.D.		1.0	5.0	1
06886	1,1-Dichloroethene	75-35-4	3.1	J	0.80	5.0	1
06886	cis-1,2-Dichloroethene	156-59-2	460		8.0	50	10
06886	trans-1,2-Dichloroethene	156-60-5	7.0		0.80	5.0	1
06886	1,2-Dichloropropane	78-87-5	N.D.		1.0	5.0	1
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		1.0	5.0	1
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		1.0	5.0	1
06886	Methylene Chloride	75-09-2	N.D.		2.0	5.0	1
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		1.0	5.0	1
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		1.0	5.0	1
06886	Tetrachloroethene	127-18-4	N.D.		0.80	5.0	1
06886	1,1,1-Trichloroethane	71-55-6	3.2	J	0.80	5.0	1
06886	1,1,2-Trichloroethane	79-00-5	N.D.		0.80	5.0	1
06886	Trichloroethene	79-01-6	460		10	50	10
06886	Trichlorofluoromethane	75-69-4	N.D.		2.0	5.0	1
06886	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
06886	Vinyl Chloride	75-01-4	17		1.0	5.0	1
	The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.						
RSKSOP-175 08/11/94 modified	**GC Miscellaneous**		**ug/l**		**ug/l**	**ug/l**	
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	11	J	5.0	15	1
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.105	J	0.0522	0.200	1

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646770

Group No. 1140555
NY

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

Collected: 04/14/2009 15:10 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSB13

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 6010B	**Metals**		**mg/l**		**mg/l**	**mg/l**	
07058	Manganese	7439-96-5	0.0290		0.00084	0.0050	1
EPA 300.0	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	76.8		4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	0.30	J	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.		0.40	0.50	5
00228	Sulfate	14808-79-8	418		15.0	50.0	50
EPA 415.1 modified	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.6		0.50	1.0	1
EPA 410.4	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.		12.8	50.0	1
SM20 5210 B	**Wet Chemistry**		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.		1.8	1.8	1

General Sample Comments

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

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 16:30	Nicholas R Rossi	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 16:50	Nicholas R Rossi	10
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 16:30	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 16:30	Nicholas R Rossi	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091061AA	04/16/2009 16:50	Nicholas R Rossi	10
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 08/11/94 modified	1	091100006A	04/22/2009 13:31	Dustin A Underkoffler	1
01754	Iron	SW-846 6010B	1	091101848005	04/22/2009 02:05	John W Yanzuk II	1
07058	Manganese	SW-846 6010B	1	091101848005	04/22/2009 02:05	John W Yanzuk II	1
01848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	091101848005	04/21/2009 09:20	Denise K Conners	1
00224	Chloride	EPA 300.0	1	09105196602A	04/21/2009 13:26	Ashley M Heckman	20
00368	Nitrate Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 05:30	Ashley M Heckman	5
01506	Nitrite Nitrogen	EPA 300.0	1	09105196602A	04/16/2009 05:30	Ashley M Heckman	5
00228	Sulfate	EPA 300.0	1	09105196602A	04/21/2009 13:42	Ashley M Heckman	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	09111049501A	04/21/2009 05:03	James S Mathiot	1

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5646770

Group No. 1140555
NY

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

Collected: 04/14/2009 15:10 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSB13

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
04001	Chemical Oxygen Demand	EPA 410.4	1	09110400101A	04/20/2009 08:35	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM20 5210 B	1	09106023501A	04/16/2009 07:22	Hannah M Royer	1

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5646771

Group No. 1140555
NY

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

Collected: 04/14/2009 15:25 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSAP4

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**		**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	N.D.		2.0	10	2
00310	Bromobenzene	108-86-1	N.D.		2.0	10	2
06886	Bromodichloromethane	75-27-4	N.D.		2.0	10	2
06886	Bromoform	75-25-2	N.D.		2.0	10	2
06886	Bromomethane	74-83-9	N.D.		2.0	10	2
06886	Carbon Tetrachloride	56-23-5	N.D.		2.0	10	2
06886	Chlorobenzene	108-90-7	N.D.		1.6	10	2
06886	Chloroethane	75-00-3	N.D.		2.0	10	2
00310	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.						
06886	Chloroform	67-66-3	N.D.		1.6	10	2
06886	Chloromethane	74-87-3	N.D.		2.0	10	2
06886	Dibromochloromethane	124-48-1	N.D.		2.0	10	2
06886	Dibromomethane	74-95-3	N.D.		2.0	10	2
00310	1,2-Dichlorobenzene	95-50-1	N.D.		2.0	10	2
00310	1,3-Dichlorobenzene	541-73-1	N.D.		2.0	10	2
00310	1,4-Dichlorobenzene	106-46-7	N.D.		2.0	10	2
06886	Dichlorodifluoromethane	75-71-8	N.D.		4.0	10	2
06886	1,1-Dichloroethane	75-34-3	12		2.0	10	2
06886	1,2-Dichloroethane	107-06-2	N.D.		2.0	10	2
06886	1,1-Dichloroethene	75-35-4	3.5	J	1.6	10	2
06886	cis-1,2-Dichloroethene	156-59-2	370		1.6	10	2
06886	trans-1,2-Dichloroethene	156-60-5	6.1	J	1.6	10	2
06886	1,2-Dichloropropane	78-87-5	N.D.		2.0	10	2
06886	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.0	10	2
06886	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.0	10	2
06886	Methylene Chloride	75-09-2	N.D.		4.0	10	2
06886	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		2.0	10	2
06886	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.0	10	2
06886	Tetrachloroethene	127-18-4	N.D.		1.6	10	2
06886	1,1,1-Trichloroethane	71-55-6	23		1.6	10	2
06886	1,1,2-Trichloroethane	79-00-5	N.D.		1.6	10	2
06886	Trichloroethene	79-01-6	1,600		20	100	20
06886	Trichlorofluoromethane	75-69-4	N.D.		4.0	10	2
06886	1,2,3-Trichloropropane	96-18-4	N.D.		2.0	10	2
06886	Vinyl Chloride	75-01-4	3.9	J	2.0	10	2

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

General Sample Comments

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

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5646771

Group No. 1140555
NY

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

Collected: 04/14/2009 15:25 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSAP4

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 14:04	Nicholas R Rossi	2
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 15:07	Nicholas R Rossi	20
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 14:04	Nicholas R Rossi	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 14:04	Nicholas R Rossi	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y091061AA	04/16/2009 15:07	Nicholas R Rossi	20

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Analysis Report

Lancaster Laboratories Sample No. WW 5646772

Group No. 1140555
NY

P-4 Matrix Spike Water
BP Sanborn COC:
2040 Cory Drive - Sanborn, NY P-4

Collected: 04/14/2009 15:25 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSAP4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	35	2.0	10	2
00310	Bromobenzene	108-86-1	37	2.0	10	2
06886	Bromodichloromethane	75-27-4	40	2.0	10	2
06886	Bromoform	75-25-2	39	2.0	10	2
06886	Bromomethane	74-83-9	37	2.0	10	2
06886	Carbon Tetrachloride	56-23-5	40	2.0	10	2
06886	Chlorobenzene	108-90-7	40	1.6	10	2
06886	Chloroethane	75-00-3	37	2.0	10	2
00310	2-Chloroethyl Vinyl Ether	110-75-8	37	4.0	20	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
06886	Chloroform	67-66-3	41	1.6	10	2
06886	Chloromethane	74-87-3	37	2.0	10	2
06886	Dibromochloromethane	124-48-1	39	2.0	10	2
06886	Dibromomethane	74-95-3	40	2.0	10	2
00310	1,2-Dichlorobenzene	95-50-1	39	2.0	10	2
00310	1,3-Dichlorobenzene	541-73-1	39	2.0	10	2
00310	1,4-Dichlorobenzene	106-46-7	39	2.0	10	2
06886	Dichlorodifluoromethane	75-71-8	35	4.0	10	2
06886	1,1-Dichloroethane	75-34-3	53	2.0	10	2
06886	1,2-Dichloroethane	107-06-2	40	2.0	10	2
06886	1,1-Dichloroethene	75-35-4	45	1.6	10	2
06886	cis-1,2-Dichloroethene	156-59-2	420	1.6	10	2
06886	trans-1,2-Dichloroethene	156-60-5	46	1.6	10	2
06886	1,2-Dichloropropane	78-87-5	40	2.0	10	2
06886	cis-1,3-Dichloropropene	10061-01-5	39	2.0	10	2
06886	trans-1,3-Dichloropropene	10061-02-6	38	2.0	10	2
06886	Methylene Chloride	75-09-2	40	4.0	10	2
06886	1,1,1,2-Tetrachloroethane	630-20-6	38	2.0	10	2
06886	1,1,2,2-Tetrachloroethane	79-34-5	39	2.0	10	2
06886	Tetrachloroethene	127-18-4	41	1.6	10	2
06886	1,1,1-Trichloroethane	71-55-6	64	1.6	10	2
06886	1,1,2-Trichloroethane	79-00-5	40	1.6	10	2
06886	Trichloroethene	79-01-6	1,800	2.0	10	2
06886	Trichlorofluoromethane	75-69-4	36	4.0	10	2
06886	1,2,3-Trichloropropane	96-18-4	38	2.0	10	2
06886	Vinyl Chloride	75-01-4	37	2.0	10	2

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

General Sample Comments

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

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

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Analysis Report

Lancaster Laboratories Sample No. WW 5646772

Group No. 1140555
NY

P-4 Matrix Spike Water
BP Sanborn COC:
2040 Cory Drive - Sanborn, NY P-4

Collected: 04/14/2009 15:25 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSAP4

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 14:25	Nicholas R Rossi	2
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 14:25	Nicholas R Rossi	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 14:25	Nicholas R Rossi	2

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Analysis Report

Lancaster Laboratories Sample No. WW 5646773

Group No. 1140555
NY

P-4 Matrix Spike Dup Water
BP Sanborn COC:
2040 Cory Drive - Sanborn, NY P-4

Collected: 04/14/2009 15:25 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSAP4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SW-846 8260B	**GC/MS Volatiles**		**ug/l**	**ug/l**	**ug/l**	
00310	Benzyl Chloride	100-44-7	35	2.0	10	2
00310	Bromobenzene	108-86-1	39	2.0	10	2
06886	Bromodichloromethane	75-27-4	40	2.0	10	2
06886	Bromoform	75-25-2	39	2.0	10	2
06886	Bromomethane	74-83-9	39	2.0	10	2
06886	Carbon Tetrachloride	56-23-5	40	2.0	10	2
06886	Chlorobenzene	108-90-7	40	1.6	10	2
06886	Chloroethane	75-00-3	38	2.0	10	2
00310	2-Chloroethyl Vinyl Ether	110-75-8	37	4.0	20	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
06886	Chloroform	67-66-3	40	1.6	10	2
06886	Chloromethane	74-87-3	38	2.0	10	2
06886	Dibromochloromethane	124-48-1	39	2.0	10	2
06886	Dibromomethane	74-95-3	39	2.0	10	2
00310	1,2-Dichlorobenzene	95-50-1	39	2.0	10	2
00310	1,3-Dichlorobenzene	541-73-1	39	2.0	10	2
00310	1,4-Dichlorobenzene	106-46-7	39	2.0	10	2
06886	Dichlorodifluoromethane	75-71-8	32	4.0	10	2
06886	1,1-Dichloroethane	75-34-3	52	2.0	10	2
06886	1,2-Dichloroethane	107-06-2	40	2.0	10	2
06886	1,1-Dichloroethene	75-35-4	43	1.6	10	2
06886	cis-1,2-Dichloroethene	156-59-2	410	1.6	10	2
06886	trans-1,2-Dichloroethene	156-60-5	46	1.6	10	2
06886	1,2-Dichloropropane	78-87-5	40	2.0	10	2
06886	cis-1,3-Dichloropropene	10061-01-5	39	2.0	10	2
06886	trans-1,3-Dichloropropene	10061-02-6	38	2.0	10	2
06886	Methylene Chloride	75-09-2	39	4.0	10	2
06886	1,1,1,2-Tetrachloroethane	630-20-6	38	2.0	10	2
06886	1,1,2,2-Tetrachloroethane	79-34-5	39	2.0	10	2
06886	Tetrachloroethene	127-18-4	39	1.6	10	2
06886	1,1,1-Trichloroethane	71-55-6	62	1.6	10	2
06886	1,1,2-Trichloroethane	79-00-5	40	1.6	10	2
06886	Trichloroethene	79-01-6	1,800	2.0	10	2
06886	Trichlorofluoromethane	75-69-4	35	4.0	10	2
06886	1,2,3-Trichloropropane	96-18-4	39	2.0	10	2
06886	Vinyl Chloride	75-01-4	37	2.0	10	2

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

General Sample Comments

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

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5646773

Group No. 1140555
NY

P-4 Matrix Spike Dup Water
BP Sanborn COC:
2040 Cory Drive - Sanborn, NY P-4

Collected: 04/14/2009 15:25 by RCB

Account Number: 12495

Submitted: 04/15/2009 09:10
Reported: 04/24/2009 at 15:26
Discard: 05/25/2009

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

CSAP4

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
06886	Appendix IX by 8260 - water	SW-846 8260B	1	Y091061AA	04/16/2009 14:46	Nicholas R Rossi	2
00310	8260B water special scan	SW-846 8260B	1	Y091061AA	04/16/2009 14:46	Nicholas R Rossi	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y091061AA	04/16/2009 14:46	Nicholas R Rossi	2

Lancaster Laboratories

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Analysis Report

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140555
Reported: 04/24/09 at 03:26 PM

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: Y091061AA	Sample number(s): 5646767-5646773								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	92		65-118		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		83-109		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	101		79-118		
Bromoform	N.D.	1.0	5.0	ug/l	99		67-112		
Bromomethane	N.D.	1.0	5.0	ug/l	93		45-126		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	100		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	100		82-111		
Chloroethane	N.D.	1.0	5.0	ug/l	95		55-119		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	93		39-151		
Chloroform	N.D.	0.80	5.0	ug/l	101		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	99		65-134		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	99		78-113		
Dibromomethane	N.D.	1.0	5.0	ug/l	101		84-115		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		85-107		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		82-110		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		85-107		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	85		55-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	106		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	100		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	102		77-119		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		85-115		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	102		83-116		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	103		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		82-113		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	96		77-116		
Methylene Chloride	N.D.	2.0	5.0	ug/l	96		81-116		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		81-113		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	99		71-117		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	101		79-115		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102		81-137		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	101		83-113		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		85-114		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	88		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		79-116		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	85		63-129		
Batch number: 091100006A	Sample number(s): 5646767-5646770								
Ethane	N.D.	1.0	5.0	ug/l	105		80-120		
Ethene	N.D.	1.0	5.0	ug/l	105		80-120		
Methane	N.D.	5.0	15	ug/l	102		80-120		
Batch number: 091101848005	Sample number(s): 5646767-5646770								
Iron	N.D.	0.0522	0.200	mg/l	101		90-112		
Manganese	N.D.	0.00084	0.0050	mg/l	104		90-110		
Batch number: 09105196602A	Sample number(s): 5646767-5646770								

*- 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: 1140555
Reported: 04/24/09 at 03:26 PM

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chloride	N.D.	0.20	0.40	mg/l	97		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	100		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	98		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	98		89-110		
Batch number: 09111049501A	Sample number(s): 5646767-5646770								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	99		93-112		
Batch number: 09106023501A	Sample number(s): 5646767-5646770								
Biochemical Oxygen Demand					101	102	85-115	1	8
Batch number: 09110400101A	Sample number(s): 5646767-5646770								
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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y091061AA	Sample number(s): 5646767-5646773 UNSPK: 5646771								
Benzyl Chloride	87	88	62-120	1	30				
Bromobenzene	93	97	82-115	4	30				
Bromodichloromethane	100	101	78-125	0	30				
Bromoform	97	98	62-113	1	30				
Bromomethane	93	96	48-136	4	30				
Carbon Tetrachloride	101	100	81-138	1	30				
Chlorobenzene	99	99	86-118	0	30				
Chloroethane	93	95	58-134	2	30				
2-Chloroethyl Vinyl Ether	93	93	10-151	0	30				
Chloroform	102	99	81-134	2	30				
Chloromethane	93	95	67-154	2	30				
Dibromochloromethane	98	98	74-116	0	30				
Dibromomethane	99	98	83-119	1	30				
1,2-Dichlorobenzene	97	97	83-113	1	30				
1,3-Dichlorobenzene	98	98	82-115	0	30				
1,4-Dichlorobenzene	97	98	83-113	1	30				
Dichlorodifluoromethane	87	81	63-187	7	30				
1,1-Dichloroethane	102	100	84-129	1	30				
1,2-Dichloroethane	100	100	66-141	0	30				
1,1-Dichloroethene	104	99	87-134	5	30				
cis-1,2-Dichloroethene	116 (2)	103 (2)	85-125	1	30				
trans-1,2-Dichloroethene	101	101	87-126	0	30				
1,2-Dichloropropane	101	100	83-124	1	30				
cis-1,3-Dichloropropene	99	97	77-117	2	30				
trans-1,3-Dichloropropene	95	95	74-119	0	30				
Methylene Chloride	101	98	79-120	4	30				
1,1,1,2-Tetrachloroethane	95	95	82-119	1	30				
1,1,2,2-Tetrachloroethane	96	96	73-119	0	30				
Tetrachloroethene	102	99	80-128	4	30				
1,1,1-Trichloroethane	101	96	85-151	3	30				

*- Outside of specification
**-This limit was used in the evaluation of the final result for the blank
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140555
Reported: 04/24/09 at 03:26 PM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1,2-Trichloroethane	100	99	77-124	1	30				
Trichloroethene	172 (2)	62 (2)	88-125	2	30				
Trichlorofluoromethane	91	88	73-152	3	30				
1,2,3-Trichloropropane	94	97	76-118	3	30				
Vinyl Chloride	83	82	65-147	1	30				
Batch number: 091100006A	Sample number(s): 5646767-5646770 UNSPK: P646321								
Ethane	69	81	68-131	16	20				
Ethene	75	85	46-164	12	20				
Methane	73	83	35-157	13	20				
Batch number: 091101848005	Sample number(s): 5646767-5646770 UNSPK: P649169 BKG: P649169								
Iron	98	97	75-125	1	20	0.166 J	0.156 J	6 (1)	20
Manganese	103	103	75-125	0	20	0.0152	0.0154	1 (1)	20
Batch number: 09105196602A	Sample number(s): 5646767-5646770 UNSPK: 5646767 BKG: 5646767								
Chloride	105		90-110			74.6	74.1	1	20
Nitrate Nitrogen	108		90-110			1.3	1.3	0 (1)	20
Nitrite Nitrogen	100		90-110			N.D.	N.D.	0 (1)	20
Sulfate	129*		90-110			132	133	1 (1)	20
Batch number: 09111049501A	Sample number(s): 5646767-5646770 UNSPK: 5646767 BKG: 5646767								
Dissolved Organic Carbon	87		66-125			1.6	1.5	6* (1)	2
Batch number: 09106023501A	Sample number(s): 5646767-5646770 UNSPK: P647134 BKG: P647133								
Biochemical Oxygen Demand	102	101	77-142	1	8	190	184	3	14
Batch number: 09110400101A	Sample number(s): 5646767-5646770 UNSPK: P646335 BKG: P646335								
Chemical Oxygen Demand	99		90-110			40.4 J	29.0 J	33* (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: Volatile Headspace Hydrocarbon
Batch number: 091100006A

	Propene
5646767	63
5646768	56
5646769	72
5646770	57
Blank	121
LCS	115
MS	75
MSD	82
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.

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1140555
Reported: 04/24/09 at 03:26 PM

Surrogate Quality Control

Analysis Name: Appendix IX by 8260 - water
Batch number: Y091061AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5646767	96	95	92	86
5646768	97	98	92	88
5646769	96	94	93	86
5646770	93	94	93	86
5646771	96	95	92	85
5646772	93	96	93	92
5646773	94	92	93	92
Blank	96	96	91	85
LCS	96	93	93	91
MS	93	96	93	92
MSD	94	92	93	92
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 #: 1140555

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 Chronicle 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:

06886: Appendix IX by 8260 - water

Batch #: Y091061AA (Sample number(s): 5646767-5646773 UNSPK: 5646771)

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

Sample #s: 5646767, 5646768, 5646769, 5646770, 5646771, 5646772, 5646773

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

00228: Sulfate

Batch #: 09105196602A (Sample number(s): 5646767-5646770 UNSPK: 5646767 BKG: 5646767)

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

07547: Dissolved Organic Carbon

Batch #: 09111049501A (Sample number(s): 5646767-5646770 UNSPK: 5646767 BKG: 5646767)

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

04001: Chemical Oxygen Demand

Batch #: 09110400101A (Sample number(s): 5646767-5646770 UNSPK: P646335 BKG: P646335)

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

Acct# 12495 Grp# 1140555 Sample# 5646767-74

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

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: _____

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Drive	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No: 445032
Lab PM: Jessica Oknefski	Lead Regulatory Agency: NYSDEC	Address: 40 LaRivere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300 x1815	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: 0001W-0014	Phone: 716 407-4990
Lab Bottle Order No: 74256	Accounting Mode: Provision X OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 50 Activity: 21	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: William Barber		
EBM Phone: (216) 271-8038		
EBM Email: Barberwb@BP.com		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	8015B / RSK SOP-175	DOC 415.1	BOD 5210B	COD 410.4	Iron / Manganese 6010	Cl, SO4, NO3, NO2 300.0			Report Type & QC Level: Comments
	B-48	4/14/09	0940		X		11	X	X	X	X		3	2	1	1	1	1	2			Low
	B-49	4/14/09	1115		X		11	X	X	X	X		3	2	1	1	1	1	2			Low

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

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

Sampler's Name: Richard C Becken	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O+M Enterprises, Inc.	Richard C Becken	4/14/09	1530			
Shipment Method: Fed Ex Ship Date: 4/14/09						
Shipment Tracking No: 868873625624					4/15/09	0940

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 1.6 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Acct #12495 Grp #1140555 Sample # 5646767-74

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

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: _____

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Drive	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No: 445032
Lab PM: Jessica Oknefski	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300 x 1815	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: 0001 W-0014	Phone: 716 407-4990
Lab Bottle Order No: 74256 /	Accounting Mode: Provision 10 OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 50 Activity: 21	Invoice To: BP/ARC X Contractor ___
BP/ARC EBM: William Barber		
EBM Phone: 216 271-8038		
EBM Email: Barberwb@BP.com		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	8015B / RSK 175	DOC 415.1	BOD 5210B	COD 410.4	Total Manganese 6010	Cl, SO_4, NO_3, NO_2 300.0	Report Type & QC Level
	B-19	4/14/09	1340		X		11	X	X	X	X		3	2	1	1	1	1	2	Low
	B-13	4/14/09	1510		X		11	X	X	X	X		3	2	1	1	1	1	2	High
	P-4	4/14/09	1525		X		3	X					X							High
	P-4 MS	1	1525		X		3	X					X							
	P-4 MSD	1	1525		X		3	X					X							

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

Standard ___
Full Data Package ___

Sampler's Name: Richard C. Becken	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises, Inc.	Richard C Becken	4/14/09	1530			
Shipment Method: Fed Ex Ship Date: 4/14/09						
Shipment Tracking No: 868873625602					4/15/09	0910

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals in Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 6-2.0 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

Environmental Sample Administration
Receipt Documentation Log

Client/Project: Parsons

Date of Receipt: 4/15/09

Time of Receipt: 0910

Source Code: 50-1

Unpacker Emp. No.: 1454

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	017	2.0°C	TB	WI	Y	B	
2	↓	1.6°C	↓	↓	↓	↓	
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 4 (not labeled)

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature]	4/15/09	1120	Unpacking / to storage
Kristin Leigh	4-15-09	1327	Place in Storage or (Entry)
			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 limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

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 quatitated 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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APPENDIX C

WATER QUALITY DATABASE
JANUARY 2001 THROUGH JUNE 2009

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 4M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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- 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

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 7M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

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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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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)
04/13/2009	5647717	8260B	ND	ND	ND	ND	ND	ND	3100	ND	61000	ND	120 J	64220

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 9M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/17/2002	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

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-10M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/10/2001	A1648708	8021	ND	ND	0.72 J	ND	1.1 J	0.64 J	21	4.3	43	ND	ND	70.76
07/16/2002	A2722907	8021	ND	ND	ND	ND	2.6	ND	14	4.3	56	ND	ND	76.9
04/25/2003	A3389601	8021	ND	ND	ND	ND	1.5 J	ND	10	3.6	52	ND	ND	67.1
07/18/2003	A3689004	8021	ND	ND	ND	ND	ND	ND	7.4	2.6	40	ND	ND	50
10/22/2003	A3A21906	8021	ND	ND	ND	ND	ND	ND	19	5.1	92	ND	ND	116.1
04/29/2004	A4402501	8021	ND	ND	ND	ND	ND	ND	10	3.8	59	ND	ND	72.8
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
07/16/2004	A4674302	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	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

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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-11M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/10/2001	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

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-12M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/18/2002	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-13M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)
07/17/2002	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:

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-15M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/12/2001	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-16M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)
07/17/2002	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

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-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

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-18M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-19M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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-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

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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-21M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
04/23/2001	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

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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-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)
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

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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-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)
01/16/2001	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

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-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)
01/17/2001	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-25M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/16/2001	A1674109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639714	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664208	8021	ND	ND	ND	ND	ND	ND	1.4	ND	1.3	ND	ND	2.7
07/12/2005	A5733105	8260/5ML	ND	ND	ND	ND	ND	ND	0.68 J	ND	1.3	ND	ND	1.98

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-26M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/16/2001	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-27M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/12/2001	A1663805	8021	ND	ND	ND	ND	5.8	8.5	400	ND	34	ND	ND	448.3
07/16/2002	A2722910	8021	ND	ND	ND	ND	5.7	9.4	240	ND	18	ND	14	287.1
07/10/2003	A3654301	8021	ND	ND	ND	ND	ND	6.8	230	ND	4.1	ND	9	249.9
07/07/2004	A4636801	8021	ND	ND	ND	1	ND	4.4	80	ND	4.8	ND	4.1	94.3
07/14/2005	A5740601	8260/5ML	ND	ND	ND	ND	ND	3.3	50	ND	5.3	ND	2.3	60.9

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-28M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-29M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-31M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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

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-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	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

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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-37M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/03/2003	A3639717	8021	ND	ND	ND	2.2	ND	13	1500 D	1.8	64000 D	ND	ND	65517
06/29/2004	A4614513	8021	ND	ND	ND	ND	ND	ND	3400	ND	24000	ND	ND	27400
07/08/2005	A5715207	8260/5ML	ND	ND	ND	1.7	ND	19	880 E	ND	1300 E	ND	ND	2200.7
07/08/2005	A5715207DL	8260/5ML	ND	ND	ND	ND	28 D	ND	1900 D	ND	4900 D	ND	ND	6828

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/19/2001	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

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-39M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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	8021	ND	ND	ND	ND	ND	ND	4.9 E	ND	8.4	ND	ND	13.3
07/16/2004	A4674301	8260	ND	ND	ND	ND	ND	ND	4	ND	10	ND	ND	14
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

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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-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

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-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	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	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

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FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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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-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-45M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-46M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/17/2001	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

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-48M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-49M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-50M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-51M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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

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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-54M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/22/2001	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-55M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/22/2001	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/17/2001	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

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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-58M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/17/2001	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-59M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/17/2002	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-60M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/17/2002	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-61M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/18/2002	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-62M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/17/2002	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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-63M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/17/2002	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

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-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)
07/17/2002	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

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-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)
07/17/2002	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

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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-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)
07/18/2002	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

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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-67M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
07/17/2002	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

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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: **DNAPL Sump**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
04/25/2001	A1382102	8021	ND	ND	ND	ND	ND	ND	2300	ND	14000 D	ND	56	16356
07/12/2001	A1663804	8021	ND	ND	ND	ND	1.7 J	ND	120	ND	63	ND	2.5	187.2
01/25/2002	A2081502	8021	ND	ND	ND	13	1 J	15	4900 D	ND	1600 D	1.3	9.1	6539.4
04/19/2002	A2384301	8021	ND	ND	ND	ND	ND	ND	5900	ND	5000	ND	130	11030
07/16/2002	A2722915	8021	ND	ND	ND	ND	160	ND	3000	ND	5500	ND	240	8900
10/09/2002	A2A07506	8021	ND	ND	ND	ND	ND	ND	4400	ND	6600	ND	ND	11000
01/23/2003	A3075206	8021	ND	ND	ND	ND	ND	ND	2800	ND	16000	ND	ND	18800
04/10/2003	A3335401	8021	ND	ND	ND	ND	180	ND	2100	ND	2400	ND	190	4870
07/10/2003	A3654306	8021	ND	ND	ND	ND	ND	ND	1700	ND	3400	ND	110	5210

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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	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

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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	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

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **P-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)
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

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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: 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-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)
01/13/2009	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

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **PW-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)
01/15/2001	A1041301	8021	ND	ND	ND	ND	1.6 J	ND	24	ND	44	ND	ND	69.6
04/19/2001	A1361314	624	ND	ND	ND	ND	ND	ND	1.4	ND	17	ND	ND	18.4
07/13/2001	A1663811	8021	ND	1.5	ND	ND	5.3	ND	24	ND	88	ND	ND	118.8
10/15/2001	A1A17405	8021	ND	ND	ND	ND	ND	ND	370	ND	3700	ND	ND	4070
01/23/2002	A2076704	8021	ND	ND	ND	ND	2 J	ND	7.8	ND	55	ND	ND	64.8
04/18/2002	A2378805	8021	ND	ND	ND	ND	ND	ND	2.4	ND	17	ND	ND	19.4
07/16/2002	A2722913	8021	ND	ND	ND	ND	2.6	ND	16	ND	110	ND	ND	128.6
10/09/2002	A2A07509	8021	ND	ND	ND	ND	ND	ND	88	ND	640	ND	ND	728
01/23/2003	A3075205	8021	ND	ND	ND	ND	ND	ND	31	ND	270	ND	ND	301
04/09/2003	A3329401	8021	ND	ND	ND	ND	ND	ND	5	ND	85	ND	ND	90

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)
10/13/2003	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

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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: PW-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
01/21/2009	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

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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: Quarry Pond

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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)
04/24/2001	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
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

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.

APPENDIX D

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