

November 14, 2008

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

RE: Third Quarter 2008 Monitoring Report
Former Carborundum Facility, Village of Sanborn, Town of Wheatfield, New York
NYSDEC Site No. 932102

Dear Mr. Dieffenbach:

On behalf of Atlantic Richfield Company, attached is the Third Quarter 2008 Monitoring Report for the former Carborundum facility in Wheatfield, New York (Site). The report is issued in accordance with the "Addendum to the Remedial Design/Remedial Action Work Plan" (December 1993). The report covers activities at the Site from July 1, 2008 through September 30, 2008. The compact disc enclosed at the end of the attached report contains an electronic copy of the report in portable document file (PDF) format.

If you have any questions, please feel free to contact me at (716) 276-2179.

Sincerely,



Mark Raybuck
Project Manager

Attachment

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

THIRD QUARTER 2008 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

November 2008

Third Quarter 2008 Monitoring Report For:

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

Prepared for:



New York State Department of
Environmental Conservation
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November 2008

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

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

INTRODUCTION

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 July 2008 groundwater sampling event and provides a summary of the operations, maintenance, and monitoring activities completed between July 1 and September 30, 2008.

The July 2008 groundwater sampling event included static water level measurements prior to purging and the collection of groundwater samples from 57 monitoring wells and five recovery wells in accordance with the NYSDEC-approved (October 2005) sampling program. All samples were submitted to Lancaster Laboratories, Inc. for volatile organic compound (VOC) analysis. The locations of the wells sampled are shown in Figure 2. A summary of the groundwater analytical results from each well in the Top of Rock Zone and Zone 1 is provided in Figure 3. Analytical results for Zones 2, 3, 4, and 5 are shown in Figure 4.

WATER LEVEL MEASUREMENTS

On July 1, 2008, water levels were measured in 60 monitoring and 5 recovery wells. The water levels were measured (to the nearest 0.01 feet) from the top of the well casing using an electronic water level meter. The water level meter was decontaminated between measurements at each well. Water level elevations were calculated using the surveyed elevations of the top of well casings and the measured depth to groundwater. Table 1 provides a summary of the water level measurements. Groundwater elevation contours for the Top of Rock Zone and Zone 1 for July 2008 are shown in Figures 5 and 6. Groundwater elevation and resultant flow patterns are consistent with the historical data.

GROUNDWATER SAMPLING

The groundwater sampling event was completed between July 16 and July 28, 2008. 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. A trip blank was included with each sample cooler.

Each well was 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. Data collected during purging can be found on the sampling forms in Appendix A. 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 five 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.

LABORATORY ANALYSIS AND RESULTS

Groundwater samples collected during the July 2008 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 September 2008) 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, parent samples were not affected for usability. 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. The system shut down on August 24, 2008 due to a local power failure. The shut-down lasted less than two hours. The system was found running when the plant operator responded to the alarm that the power was down.

System maintenance and repairs during the quarter included:

- replaced pump motor and power lead at P-2;
- moved a transformer from outdoors to inside control shed for P-2, P-3, and P-4 and rewired;
- repaired the autosampler supply line;
- tied influent from PW-3 into influent line from the other wells;
- installed mechanical meter at SPDES discharge location;
- developed five recovery wells.
- installed new pump at P-805C;
- removed and cleaned the flow meter and pump from PW-3;
- installed backup ISCO auto-sampler to replace failed autosampler; and
- installed new pump at P-805A.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

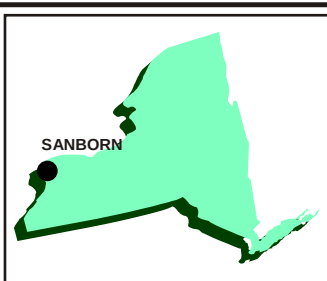
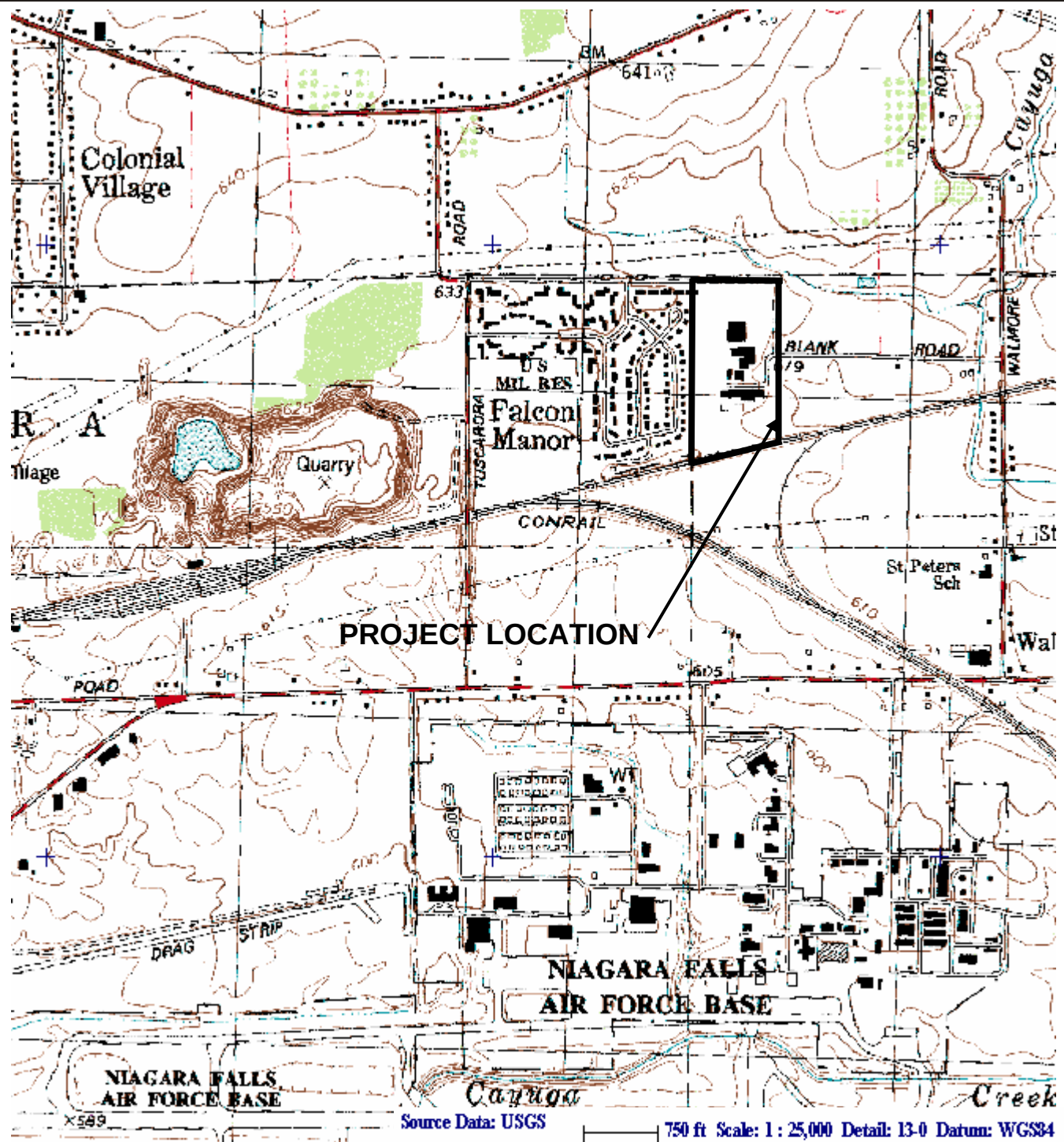
During the reporting period, 11.4 million gallons of groundwater were recovered and treated. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorizes discharge through March 31, 2012. The pumping rate from the six recovery wells (P-2, P-3, P-4, PW-1, PW-3, and PW-4) averaged approximately 86.2 gallons per minute during the reporting period.

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"



SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

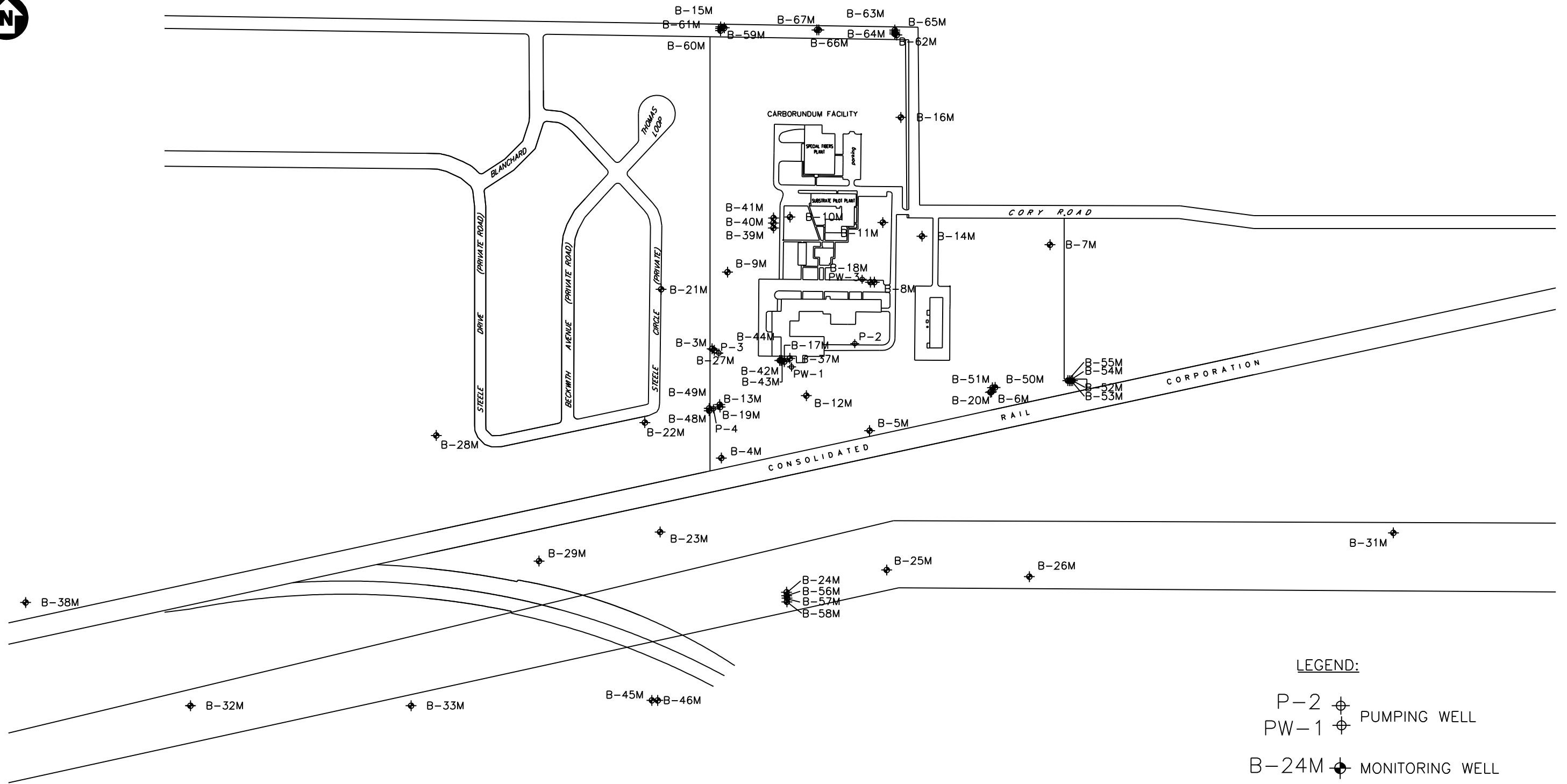
FIGURE 1

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  PUMPING WELL
B-24M  MONITORING WELL

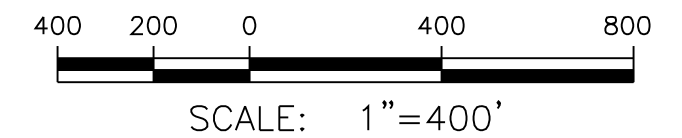


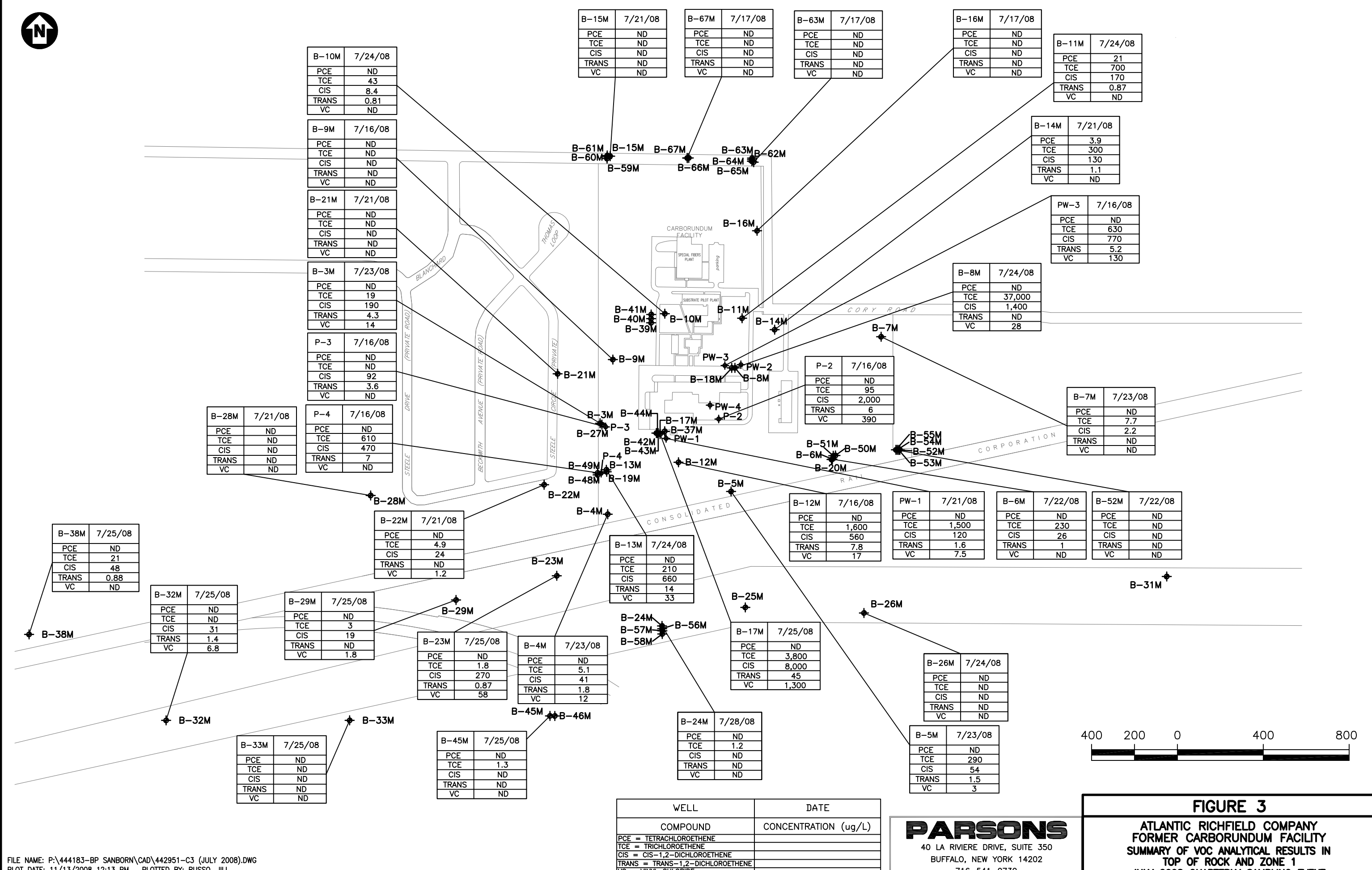
FIGURE 2

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY

SITE PLAN

PARSONS

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





B-15M	7/21/08
PCE	ND
TCE	ND
CIS	ND
TRANS	ND
VC	ND

B-66M	7/17/08
PCE	ND
TCE	ND
CIS	ND
TRANS	ND
VC	ND

B-64M	7/17/08
PCE	ND
TCE	ND
CIS	ND
TRANS	ND
VC	ND

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

B-61M	7/21/08
PCE	ND
TCE	ND
CIS	ND
TRANS	ND
VC	ND

B-39M	7/24/08
PCE	ND
TCE	4.1
CIS	0.9
TRANS	ND
VC	ND

B-42M	7/23/08
PCE	ND
TCE	2.4
CIS	6.8
TRANS	0.81
VC	ND

B-16M	7/17/08
PCE	ND
TCE	ND
CIS	ND
TRANS	ND
VC	ND

B-50M	7/22/08
PCE	ND
TCE	91
CIS	25
TRANS	1.6
VC	ND

B-53M	7/22/08
PCE	ND
TCE	26
CIS	6.9
TRANS	ND
VC	ND

B-56M	7/28/08
PCE	ND
TCE	19
CIS	6.9
TRANS	ND
VC	ND

B-57M	7/28/08
PCE	ND
TCE	ND
CIS	ND
TRANS	ND
VC	ND

B-29M	7/25/08
PCE	ND
TCE	3
CIS	19
TRANS	ND
VC	1.8

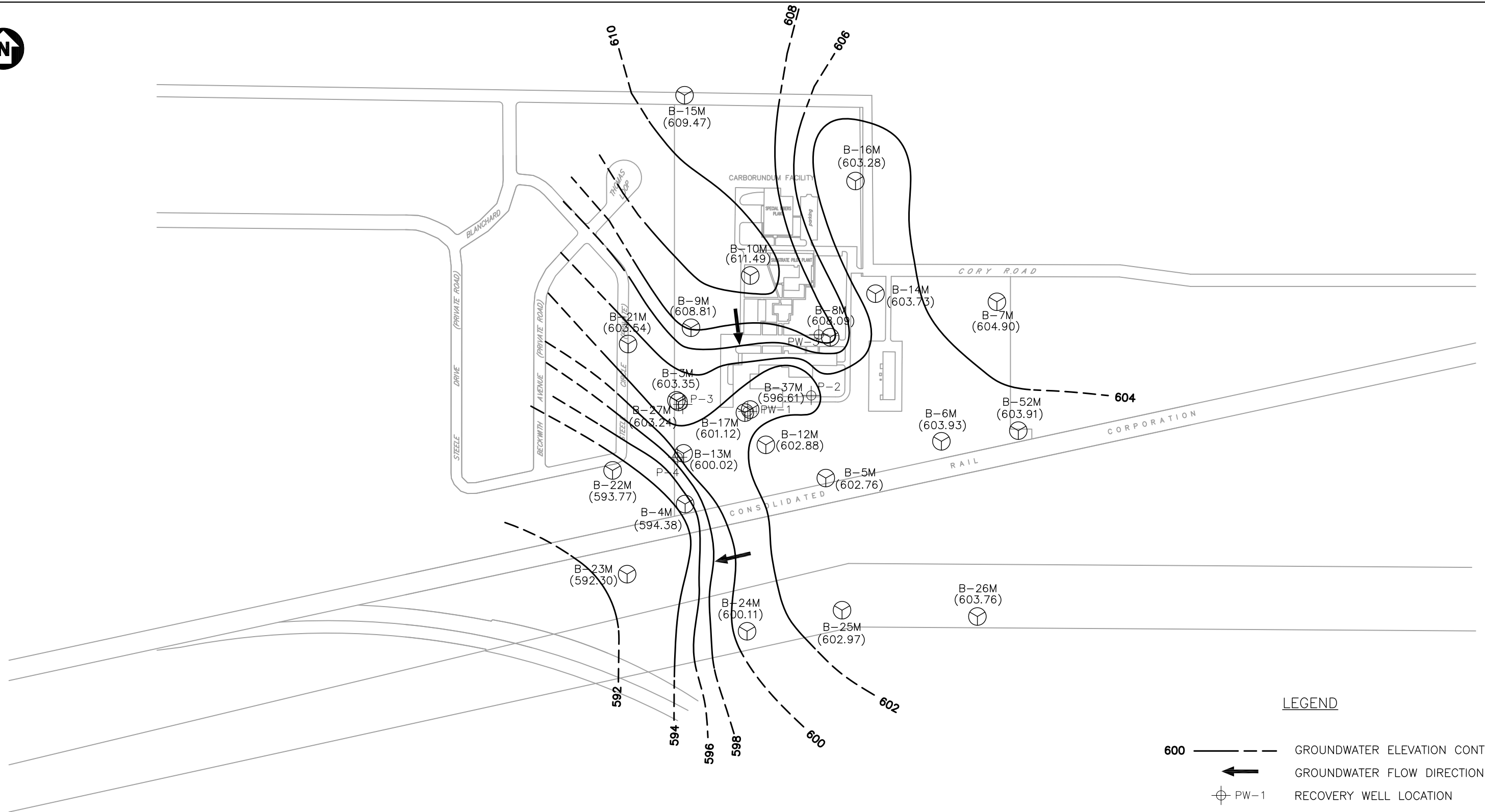
B-46M	7/25/08
PCE	ND
TCE	1.2
CIS	18
TRANS	ND
VC	2.7



FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS FOR
ZONES 2, 3, 4, AND 5
JULY 2008 QUARTERLY SAMPLING EVENT

PARSONS
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BUFFALO, NEW YORK 14202
716-541-0730

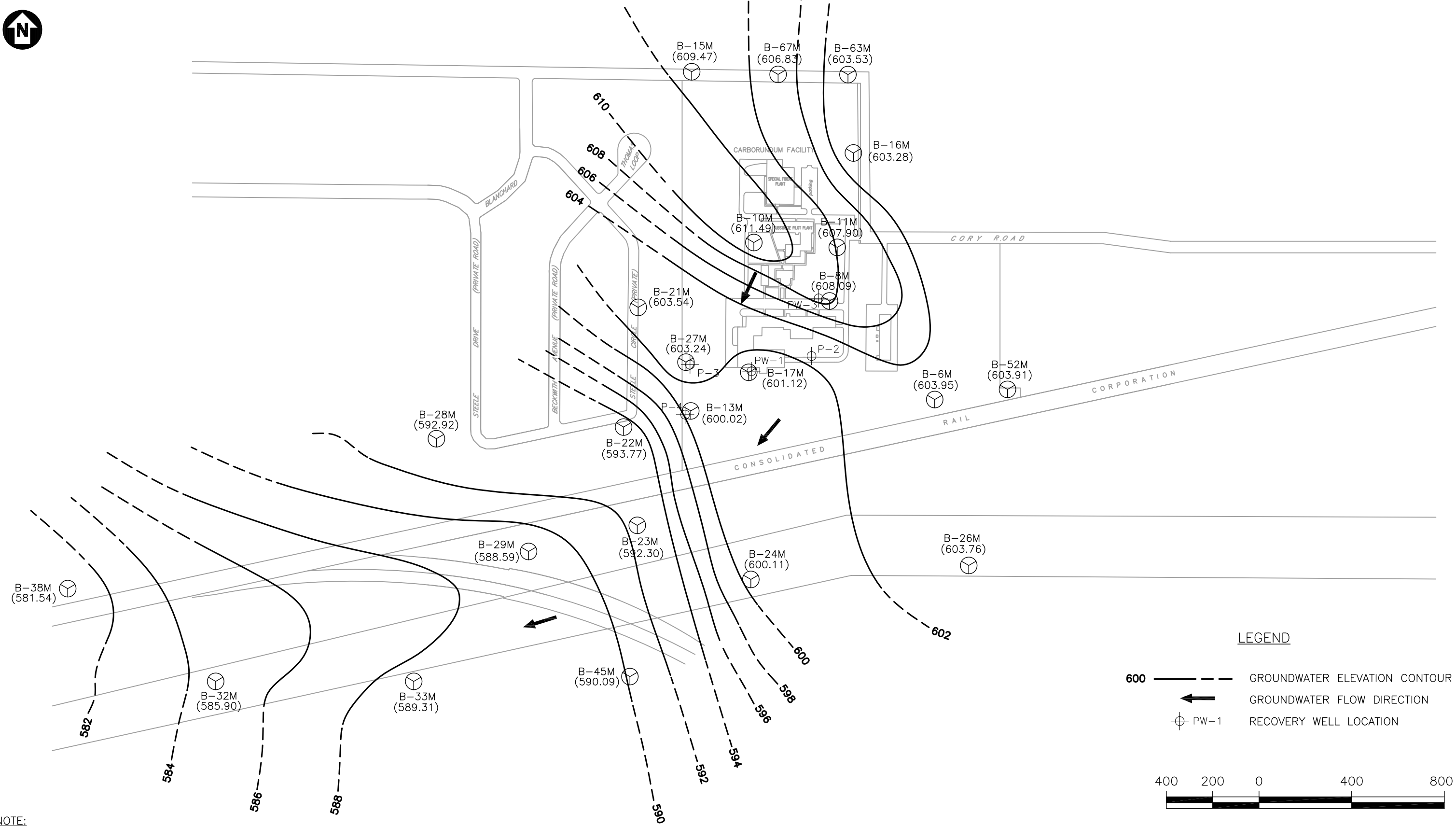


NOTES:

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.
2. B-29M AND B-38M ARE SCREENED IN BOTH ZONE 1 AND ZONE 2.

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
**GROUNDWATER ELEVATION
TOP OF ROCK-JULY 2008**



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

FIGURE 6
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
**GROUNDWATER ELEVATION
ZONE 1-JULY 2008**

TABLES

TABLE 1
JULY 2008 GROUNDWATER ELEVATION DATA
THE FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Monitoring Well I.D.	Date	Top of Riser Elevation (ft)	Water Level (ft)	Groundwater Elevation (ft)	Remarks
P-2	07/01/08	619.67	28.15	591.52	
P-3	07/01/08	627.35	29.37	597.98	
P-4	07/01/08	624.45	27.89	596.56	
PW-1	07/01/08	619.78	29.45	590.33	
PW-3	07/01/08	618.28	14.40	603.88	
B-3M	07/01/08	625.59	22.24	603.35	
B-4M	07/01/08	622.24	27.86	594.38	
B-5M	07/01/08	620.83	18.07	602.76	
B-6M	07/01/08	615.69	11.74	603.95	
B-7M	07/01/08	616.22	11.32	604.90	
B-8M	07/01/08	618.57	10.48	608.09	
B-9M	07/01/08	623.03	14.22	608.81	
B-10M	07/01/08	626.05	14.56	611.49	
B-11M	07/01/08	622.81	14.91	607.90	
B-12M	07/01/08	622.17	19.29	602.88	
B-13M	07/01/08	626.70	26.68	600.02	
B-14M	07/01/08	618.25	14.52	603.73	
B-15M	07/01/08	623.98	14.51	609.47	
B-16M	07/01/08	626.08	22.80	603.28	
B-17M	07/01/08	622.07	20.95	601.12	
B-18M	07/01/08	618.69	15.60	603.09	
B-19M	07/01/08	626.01	24.67	601.34	
B-20M	07/01/08	615.32	11.60	603.72	
B-21M	07/01/08	622.56	19.02	603.54	
B-22M	07/01/08	622.29	28.52	593.77	
B-23M	07/01/08	617.71	25.41	592.30	
B-24M	07/01/08	617.24	17.13	600.11	
B-25M	07/01/08	619.31	16.34	602.97	
B-26M	07/01/08	618.06	14.30	603.76	
B-27M	07/01/08	626.04	22.80	603.24	
B-28M	07/01/08	622.62	29.70	592.92	
B-29M	07/01/08	618.31	29.72	588.59	
B-31M	07/01/08	613.78	10.49	603.29	
B-32M	07/01/08	619.35	33.45	585.90	
B-33M	07/01/08	612.43	23.12	589.31	
B-37M	07/01/08	616.90	20.29	596.61	
B-38M	07/01/08	609.81	28.27	581.54	
B-39M	07/01/08	626.12	22.76	603.36	
B-40M	07/01/08	626.23	22.99	603.24	
B-41M	07/01/08	626.31	23.76	602.55	
B-42M	07/01/08	623.76	20.49	603.27	
B-43M	07/01/08	623.64	21.14	602.50	
B-44M	07/01/08	623.29	22.67	600.62	
B-45M	07/01/08	612.12	22.03	590.09	
B-46M	07/01/08	613.46	24.61	588.85	
B-48M	07/01/08	625.40	22.36	603.04	
B-49M	07/01/08	625.56	29.70	595.86	
B-50M	07/01/08	616.47	7.05	609.42	
B-51M	07/01/08	616.48	12.60	603.88	
B-52M	07/01/08	616.26	12.35	603.91	
B-53M	07/01/08	616.14	12.26	603.88	
B-54M	07/01/08	616.00	11.66	604.34	
B-55M	07/01/08	615.59	27.27	588.32	
B-56M	07/01/08	617.78	26.20	591.58	
B-57M	07/01/08	617.80	27.83	589.97	
B-58M	07/01/08	617.99	25.10	592.89	
B-59M	07/01/08	625.53	30.75	594.78	
B-60M	07/01/08	625.67	22.38	603.29	
B-61M	07/01/08	625.72	22.15	603.57	
B-62M	07/01/08	623.89	8.32	615.57	
B-63M	07/01/08	624.14	20.61	603.53	
B-64M	07/01/08	623.95	20.58	603.37	
B-65M	07/01/08	624.19	20.99	603.20	
B-66M	07/01/08	625.37	21.96	603.41	
B-67M	07/01/08	625.51	18.68	606.83	

TABLE 2
MONITORING WELL GROUNDWATER PURGING DATA
JULY 2008 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)	Volume Purged (gal)	Purging Codes	Remarks
P-2	7/16/08	13:40	619.67							1	Pumping well
P-3	7/16/08	15:20	627.35							1	Pumping well
P-4	7/16/08	15:05	624.45							1	Pumping well
PW-1	7/21/08	15:00	619.78							1	Pumping well
PW-3	7/16/08	13:20	618.28							1	Pumping well
B-3M	7/23/08	10:00	625.59	22.41	603.18	25.10	2.69	0.46	2	4	
B-4M	7/23/08	10:45	625.59	23.50	602.09	27.52	4.02	0.68	1.2	4	well went dry during purging
B-5M	7/23/08	11:20	620.83	19.48	601.35	31.08	11.60	1.97	8	4	
B-6M	7/22/08	14:25	615.69	12.91	602.78	19.20	6.29	1.07	3.3	4	
B-7M	7/23/08	15:00	616.22	13.49	602.73	22.10	8.61	1.46	6	5	
B-8M	7/24/08	11:00	618.57	10.71	607.86	17.85	7.14	1.21	4.8	4	
B-9M	7/16/08	10:00	623.03	16.21	606.82	21.20	4.99	0.85	0.85	4	well went dry during purging
B-10M	7/24/08	12:35	622.56	14.75	607.81	28.00	13.25	2.25	4.5	5	well went dry during purging
B-11M	7/24/08	13:00	622.81	14.86	607.95	23.86	9.00	1.53	6.0	5	
B-12M	7/16/08	14:30	622.17	20.22	601.95	22.00	1.78	0.30	1.2	4	
B-13M	7/24/08	14:00	617.20	26.95	590.25	36.06	9.11	1.55	6	5	
B-14M	7/21/08	12:00	618.25	14.74	603.51	15.82	1.08	0.18	0.7	4	
B-15M	7/21/08	11:20	623.98	15.08	608.90	24.20	9.12	1.55	6.2	4	well went dry during purging
B-16M	7/17/08	13:45	626.08	24.36	601.72	27.27	2.91	0.49	2	4	
B-17M	7/25/08	14:10	622.07	21.16	600.91	26.50	5.34	0.91	4	4	
B-18M	7/23/08	13:50	618.69	17.69	601.00	50.41	32.72	5.56	22	5	
B-19M	7/16/08	10:20	626.01	25.82	600.19	66.31	40.49	6.88	28	5	
B-20M	7/22/08	12:10	615.40	12.82	602.58	50.05	37.23	6.33	25.3	5	
B-21M	7/21/08	14:20	622.56	20.25	602.31	26.62	6.37	1.00	4	4	
B-22M	7/21/08	13:40	617.71	27.60	590.11	36.00	8.40	1.43	5.7	4	
B-23M	7/25/08	12:00	617.71	27.20	590.51	31.81	4.61	0.78	3	4	
B-24M	7/28/08	12:20	617.20	19.07	598.13	28.40	9.33	1.59	6.4	5	
B-26M	7/26/08	9:05	618.06	15.20	602.86	30.20	15.00	2.55	10	5	
B-28M	7/21/08	13:00	622.62	28.76	593.86	34.75	5.99	1.36	5.75	4	
B-29M	7/25/08	11:15	618.31	30.21	588.10	38.60	8.39	1.43	5.75	5	
B-31M	7/24/08	9:55	613.78	10.81	602.97	43.60	32.79	5.57	22	5	
B-32M	7/25/08	9:35	619.35	33.90	585.45	40.58	6.68	1.14	4.6	4	
B-33M	7/25/08	8:50	612.43	23.47	588.96	32.12	8.65	1.47	6	5	
B-38M	7/25/08	14:45	609.81	31.03	578.78	41.31	10.28	1.75	6	4	
B-39M	7/24/08	12:00	626.12	24.64	601.48	44.05	19.41	3.29	13.9	5	
B-40M	7/23/08	13:00	626.23	24.82	601.41	58.03	33.21	5.65	22.5	5	
B-41M	7/16/08	8:40	626.31	24.78	601.53	72.73	47.95	8.15	32	5	
B-42M	7/23/08	8:55	623.76	22.37	601.39	45.51	23.14	3.90	16	5	
B-43M	7/23/08	9:25	623.64	22.69	600.95	58.96	36.27	6.17	12.4	5	well went dry during purge
B-44M	7/28/08	9:05	623.29	24.25	599.04	84.60	60.35	10.26	21.5	5	well went dry during purge
B-45M	7/25/08	10:15	612.12	22.21	589.91	24.90	2.69	0.46	.5	4	well went dry during purge
B-46M	7/25/08	10:25	613.46	24.94	588.52	40.00	15.06	2.56	10	5	
B-48M	7/24/08	14:55	625.40	24.22	601.18	47.00	22.78	3.90	16	5	
B-49M	7/16/08	11:05	625.56	30.81	594.75	82.61	51.80	8.80	36	5	
B-50M	7/22/08	13:45	616.47	13.65	602.82	35.89	22.24	3.80	15.2	5	
B-51M	7/22/08	12:45	616.48	7.88	608.60	66.60	58.72	9.98	40	5	
B-52M	7/22/08	10:15	616.26	13.37	602.89	22.47	9.10	1.55	6.2	5	
B-53M	7/22/08	11:10	616.14	13.32	602.82	37.36	24.04	4.09	16	5	
B-54M	7/22/08	9:45	616.00	12.95	603.05	57.56	44.61	7.60	11.5	5	well went dry during purge
B-55M	7/22/08	9:00	615.59	28.76	586.83	84.11	55.35	9.40	17	5	well went dry during purge
B-56M	7/28/08	11:45	617.78	26.79	590.99	39.68	12.89	2.19	8.8	5	
B-57M	7/28/08	10:30	617.80	29.76	588.04	50.65	20.89	3.55	6	5	well went dry during purge
B-58M	7/28/08	11:00	617.99	25.65	592.34	63.68	38.03	6.47	26	5	
B-59M	7/21/08	9:15	625.53	31.64	593.89	69.27	37.63	6.40	25.6	5	
B-60M	7/21/08	9:55	625.67	24.3	601.37	55.15	30.85	5.24	21	5	
B-61M	7/21/08	10:50	625.72	23.95	601.77	39.61	15.66	2.66	10.1	5	
B-62M	7/17/08	12:30	623.89	9.84	614.05	91.6	81.76	13.90	56	5	
B-63M	7/17/08	12:05	624.14	21.96	602.18	27.5	5.54	0.94	4	4	
B-64M	7/17/08	10:50	623.95	22.11	601.84	42.55	20.44	3.47	14	5	
B-65M	7/17/08	10:05	624.19	22.46	601.73	57.86	35.40	6.02	24	5	
B-66M	7/17/08	9:00	625.37	23.55	601.82	41.95	18.40	3.13	13	5	
B-67M	7/17/08	9:35	625.51	19.07	606.44	25.24	6.17	1.05	4	5	

Purge Codes:

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

NS - Not Sampled
NA - Not Available

TABLE 3
MONITORING WELL GROUNDWATER SAMPLING DATA
JULY 2008 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	7/16/08	13:40	619.67	7.16	1.26	64.2	14	Pumping well
P-3	7/16/08	15:20	627.35	7.45	1.70	60.6	1.9	Pumping well
P-4	7/16/08	15:05	624.45	7.71	1.31	62.4	11.0	Pumping well
PW-1	7/21/08	15:00	619.78	7.38	1.18	58.5	2.37	Pumping well
PW-3	7/16/08	15:20	618.28	7.31	0.87	70.1	11.0	Pumping well
B3-M	7/23/08	10:25	625.59	7.73	1.16	54.3	403	
B4-M	7/23/08	12:45	622.24	8.05	1.05	60.1	63	
B5-M	7/23/08	12:00	620.83	7.31	0.95	54.6	290	
B-6M	7/22/08	15:00	615.69	7.34	1.13	55.5	565	
B-7M	7/23/08	15:25	616.22	7.35	0.82	54.2	223	
B-8M	7/24/08	11:25	618.57	7.94	3.66	57.1	976	
B-9M	7/16/08	13:10	623.03	7.45	0.80	60.1	85	
B-10M	7/24/08	13:30	622.07	7.27	1.90	55.3	571	
B-11M	7/24/08	13:55	622.81	7.42	0.50	55.0	175	
B-12M	7/16/08	15:00	622.17	7.34	1.28	59.3	1000	
B-13M	7/24/08	14:30	618.69	7.36	1.05	53.6	75	
B-14M	7/21/08	12:25	618.25	7.78	0.98	56.1	1000	
B-15M	7/21/08	11:50	623.98	7.41	1.25	53.6	25.7	
B-16M	7/17/08	14:05	626.08	7.35	0.99	55.6	140	
B-17M	7/25/08	14:25	626.01	7.39	0.88	57.1	75	
B-18M	7/23/08	14:35	622.56	7.5	1.50	57.5	15.5	
B-19M	7/16/08	14:00	617.71	7.31	1.39	63.0	20	
B-20M	7/22/08	12:40	622.62	8.03	1.01	56.7	11.4	
B-21M	7/21/08	14:45	618.31	7.31	1.01	57.1	1000	
B-22M	7/21/08	14:10	619.35	7.23	1.26	58.5	13.6	
B-23M	7/25/08	13:50	609.81	7.24	1.12	56.7	9.3	
B-24M	7/28/08	12:45	626.12	7.30	1.40	54.6	110	
B-26M	7/24/08	9:40	618.06	7.54	1.13	53.6	172	
B-28M	7/21/08	13:30	622.62	7.22	1.29	58.6	346	
B-29M	7/25/08	11:50	618.31	7.22	1.13	54.9	280	
B-31M	7/24/08	10:40	613.78	8.01	0.86	54.0	49.1	
B-32M	7/25/08	10:05	619.35	7.31	1.28	56.1	20	
B-33M	7/25/08	9:25	612.43	7.08	1.23	55.5	25	
B-38M	7/25/08	15:30	609.81	7.25	1.21	55.1	65	
B-39M	7/24/08	12:30	626.12	7.91	0.82	53.6	87.0	
B-40M	7/23/08	13:45	626.23	7.6	1.45	55.4	29.6	
B-41M	7/16/08	13:00	626.31	7.75	1.08	60.6	6.6	
B-42M	7/23/08	9:20	623.76	7.48	1.07	57.7	17.7	
B-43M	7/23/08	10:00	623.64	7.29	1.67	58.2	3.83	
B-44M	7/28/08	13:30	623.29	7.34	2.97	60.3	23	
B-45M	7/25/08	13:30	612.12	7.60	2.21	55.0	1000	
B-46M	7/25/08	11:00	613.46	7.50	1.27	54.9	50	
B-48M	7/24/08	15:45	625.40	7.45	1.00	54.2	80	
B-49M	7/16/08	14:20	625.56	7.07	2.85	59.6	37	
B-50M	7/22/08	14:20	616.47	7.37	0.91	54.2	18.5	
B-51M	7/22/08	13:40	616.48	8.11	0.77	55.8	41.6	
B-52M	7/22/08	10:35	616.26	7.49	1.29	54.7	485	
B-53M	7/22/08	11:25	616.14	7.48	0.90	54.3	25.1	
B-54M	7/22/08	11:00	616.00	11.60	1.02	56.2	19.1	pH meter not functioning properly
B-55M	7/22/08	10:50	615.59	7.78	3.94	55.4	6.22	
B-56M	7/28/08	12:15	617.78	7.87	1.53	56.1	55	
B-57M	7/28/08	13:00	617.80	7.37	2.41	55.5	13	
B-58M	7/28/08	11:40	617.99	7.86	1.50	56.6	40	
B-59M	7/21/08	9:50	625.53	7.54	1.81	54.7	785	
B-60M	7/21/08	10:45	625.67	7.78	1.78	54.2	40.3	
B-61M	7/21/08	11:15	625.72	7.74	0.97	53.5	87.5	
B-62M	7/17/08	13:30	623.89	7.37	3.19	58.5	45	
B-63M	7/17/08	12:25	624.14	7.28	1.52	55.3	220	
B-64M	7/17/08	11:30	623.95	7.69	0.89	54.4	17	
B-65M	7/17/08	10:40	626.23	8.34	1.94	55.5	50	
B-66M	7/17/08	9:25	626.31	10.08	0.53	54.6	40	pH meter not functioning properly
B-67M	7/17/08	10:00	623.76	7.34	1.03	55.7	22	

TABLE 4
MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
JULY 2008 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	7/16/2008	5417447	< 5	< 4	120	11 J	< 10	6 J	2000	210	95	390	< 4
P-3	7/16/2008	5417454	< 1	< 0.8	< 1	< 0.8	< 2	3.6 J	92	< 0.8	< 1	< 1	< 0.8
P-4	7/16/2008	5417453	< 1	< 0.8	9.6	3 J	< 2	7	470	6.3	610	< 1	< 0.8
PW-1	7/21/2008	5420903	< 1	< 0.8	1.3 J	< 0.8	< 2	1.6 J	120	< 0.8	1500	7.5	< 0.8
PW-3	7/16/2008	5417446	< 1	< 0.8	< 1	8	< 2	5.2	770	< 0.8	630	130	< 0.8
B- 3M	7/23/2008	5423254	< 1	< 0.8	1.1 J	1 J	< 2	4.3 J	190	< 0.8	19	14	< 0.8
B- 4M	7/23/2008	5423255	< 1	< 0.8	< 1	< 0.8	< 2	1.8 J	41	< 0.8	5.1	12	< 0.8
B- 5M	7/23/2008	5423256	< 1	< 0.8	< 1	< 0.8	< 2	1.5 J	54	< 0.8	290	3 J	< 0.8
B- 6M	7/22/2008	5422164	< 1	< 0.8	< 1	< 0.8	< 2	1 J	26	< 0.8	230	< 1	< 0.8
B- 7M	7/23/2008	5423259	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.2 J	< 0.8	7.7	< 1	< 0.8
B- 8M	7/24/2008	5424623	< 20	< 16	< 20	< 16	< 40	< 16	1400	< 16	37000	28 J	< 16
B- 9M	7/16/2008	5417444	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-10M	7/24/2008	5424625	< 1	< 0.8	< 1	< 0.8	< 2	0.81 J	8.4	4.2 J	43	< 1	< 0.8
B-11M	7/24/2008	5424624	< 1	< 0.8	< 1	< 0.8	< 2	0.87 J	170	< 0.8	700	< 1	21
B-12M	7/16/2008	5417452	< 2	< 1.6	69	13	< 4	7.8 J	560	110	1600	17	< 1.6
B-13M	7/24/2008	5424627	< 1	< 0.8	4.4 J	4.2 J	< 2	14	660	< 0.8	210	33	< 0.8
B-14M	7/21/2008	5420898	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	130	< 0.8	300	< 1	3.9 J
B-15M	7/21/2008	5420897	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-16M	7/17/2008	5418429	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-17M	7/25/2008	5426027	< 10	< 8	71	44 J	< 20	45 J	8000	11 J	3800	1300	< 8
B-18M	7/23/2008	5423260	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	26	< 0.8	< 1	11	< 0.8
B-19M	7/16/2008	5417449	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.5 J	< 0.8	< 1	< 1	< 0.8
B-20M	7/22/2008	5422165	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-21M	7/21/2008	5420899	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-22M	7/21/2008	5420900	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	24	< 0.8	4.9 J	1.2 J	< 0.8
B-23M	7/25/2008	5426028	< 1	< 0.8	1.1 J	< 0.8	< 2	0.87 J	270	< 0.8	1.8 J	58	< 0.8
B-24M	7/28/2008	5426821	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.2 J	< 1	< 0.8
B-26M	7/24/2008	5424621	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-28M	7/21/2008	5420901	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-29M	7/25/2008	5426025	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	19	< 0.8	3 J	1.8 J	< 0.8
B-31M	7/24/2008	5424622	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	1.1 J	< 1	< 0.8
B-32M	7/25/2008	5426032	< 1	< 0.8	< 1	< 0.8	< 2	1.4 J	31	< 0.8	< 1	6.8	< 0.8
B-33M	7/25/2008	5426033	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-38M	7/25/2008	5426024	< 1	< 0.8	< 1	< 0.8	< 2	0.88 J	48	< 0.8	21	< 1	< 0.8
B-39M	7/24/2008	5424626	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.9 J	< 0.8	4.1 J	< 1	< 0.8

TABLE 4
MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
JULY 2008 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

B-40M	7/23/2008	5423261	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.1 J	< 0.8	1.6 J	< 1	< 0.8
B-41M	7/16/2008	5417443	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.5 J	< 0.8	< 1	< 1	< 0.8
B-42M	7/23/2008	5423257	< 1	< 0.8	< 1	< 0.8	< 2	0.81 J	6.8	< 0.8	2.4 J	< 1	< 0.8
B-43M	7/23/2008	5423258	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.5	< 0.8	2.3 J	2.6 J	< 0.8
B-44M	7/28/2008	5426819	< 1	< 0.8	7.7	< 0.8	< 2	< 0.8	8.1	< 0.8	5.2	7.2	< 0.8
B-45M	7/25/2008	5426026	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	1.3 J	< 1	< 0.8
B-46M	7/25/2008	5426034	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	18	< 0.8	1.2 J	2.7 J	< 0.8
B-48M	7/24/2008	5424628	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.95 J	< 0.8	2.9 J	< 1	< 0.8
B-49M	7/16/2008	5417445	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-50M	7/22/2008	5422168	< 1	< 0.8	< 1	< 0.8	< 2	1.6 J	25	< 0.8	91	< 1	< 0.8
B-51M	7/22/2008	5422169	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-52M	7/22/2008	5422160	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-53M	7/22/2008	5422161	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	< 0.8	26	< 1	< 0.8
B-54M	7/22/2008	5422162	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-55M	7/22/2008	5422163	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-56M	7/28/2008	5426818	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	< 0.8	19	< 1	< 0.8
B-57M	7/28/2008	5426820	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-58M	7/28/2008	5426822	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-59M	7/21/2008	5420892	< 1	< 0.8	< 1	< 0.8	< 2	0.8 J	1.1 J	< 0.8	< 1	< 1	< 0.8
B-60M	7/21/2008	5420895	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-61M	7/21/2008	5420896	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-62M	7/17/2008	5418423	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-63M	7/17/2008	5418424	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-64M	7/17/2008	5418425	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-65M	7/17/2008	5418426	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-66M	7/17/2008	5418427	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-67M	7/17/2008	5418428	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8

APPENDIX A

MONITORING WELL SAMPLING FIELD FORMS

Monitoring Well ID: B-3	Date: 7/23/08	Time Started: 1000	Field Personnel: RC Baker

Comments

Measured Well Bottom (TOR - ft)	25.1	River Pipe Diameter (in)	2
Measured Water Level (TOR - ft)	22.41	Conversion Factor (gal/lineal ft)	1.25" = 0.08
Calculated Water Column Height (ft)	2.69	(Circle One)	4" = 0.88
			6" = 1.50
One Well Volume (gals.)	0.46	Three Well Volumes (gals.)	5V = 2.3

Notes:

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

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

Water Level After Pumping (TOR ft):	Calculated 95% Recovery Water Level:

Comments:

Date: 7/23/08	Time Sampled: 1625	Field Personnel: RC Baker

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

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

QA/QC Samples Taken:

Comments:

Sampler (Print): Richard C. Becken Sampler (signature): Date: 7/25/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-4 Date: 7/23/08 Time Started: 1045 Field Personnel: RC Becken

Weather Conditions: Sunny warm humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>27.52</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>23.5</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>4.02</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>0.68</u>	Three Well Volumes (gals.) <u>6V = 3.417</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.68</u>	<u>~0.68</u>	<u>59.9</u>	<u>1.06</u>	<u>34.4</u>	
	<u>~1.2</u>	<u>56.0</u>	<u>0.91</u>	<u>34.6</u>	<u>well dry</u>
	<u>~1.8</u>				
	<u>~2.5</u>				

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 1245 Field Personnel: RC Becken

Measured Water Level (TOR ft): 26.86

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-4</u>	<u>60.1</u>	<u>8.05</u>	<u>1.05</u>	<u>63</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/23/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-5 Date: 7/23/08 Time Started: 11:20 Field Personnel: R. Becker
 Weather Conditions: overcast humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 31.08 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 19.48 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 11.6 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.97 Three Well Volumes (gals.) 10

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.97</u>	<u>~2</u>	<u>57.4</u>	<u>0.92</u>	<u>122</u>	
	<u>~4</u>	<u>54.1</u>	<u>0.93</u>	<u>197</u>	
	<u>~6</u>	<u>53.8</u>	<u>0.96</u>	<u>240</u>	
	<u>~8</u>	<u>53.0</u>	<u>0.95</u>	<u>222</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 1200 Field Personnel: R. Becker

Measured Water Level (TOR ft): 20.58

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-5</u>	<u>54.6</u>	<u>7.31</u>	<u>0.95</u>	<u>290</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becker Sampler (signature): R. Becker Date: 7/23/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-6 Date: 7/22/08 Time Started: 1425 Field Personnel: RC Becken

Weather Conditions: overcast hot humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>19.2</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>12.91</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>6.29</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>1.07</u>	Three Well Volumes (gals.) <u>SV = 5.3</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.07</u>	<u>~1.1</u>	<u>53.9</u>	<u>1.57</u>	<u>939</u>	
	<u>~2.2</u>	<u>53.1</u>	<u>1.21</u>	<u>22.9</u>	
	<u>~3.3</u>	<u>53.2</u>	<u>1.19</u>	<u>353</u>	
		<u>53.4</u>	<u>1.20</u>	<u>417</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1500 Field Personnel:

Measured Water Level (TOR ft.): 15.74

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-6</u>	<u>55.5</u>	<u>7.34</u>	<u>1.13</u>	<u>565</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-7 Date: 7/23/08 Time Started: 1500 Field Personnel: RC Becken

Weather Conditions: mainly warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 22.1 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 13.49 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 8.61 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1146 Three Well Volumes (gals.) 5V = 7.32

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: h
 Inner Casing Condition: OK Repair Required:
 Surface Seal Condition: OK Repair Required:
 Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.46</u>	<u>~1.5</u>	<u>56.8</u>	<u>0.82</u>	<u>1000+</u>	
	<u>~3.0</u>	<u>53.5</u>	<u>0.81</u>	<u>523</u>	
	<u>~4.5</u>	<u>52.5</u>	<u>0.82</u>	<u>279</u>	
	<u>~6.0</u>	<u>52.6</u>	<u>0.83</u>	<u>482</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 1525 Field Personnel: RC Becken

Measured Water Level (TOR ft): 13.55

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-7</u>	<u>54.2</u>	<u>7.35</u>	<u>0.82</u>	<u>223</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature) Richard C. Becken Date: 7/23/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-8 Date: 7/24/08 Time Started: 1100 Field Personnel: RL Beck

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 17.85 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 10.71 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 7.14 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.21 Three Well Volumes (gals.) SVs 6.07

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.21</u>	<u>~1.2</u>	<u>58.4</u>	<u>3.75</u>	<u>1000+</u>	
	<u>~2.4</u>	<u>56.3</u>	<u>3.82</u>	<u>1000+</u>	
	<u>~3.6</u>	<u>56.5</u>	<u>3.81</u>	<u>1000+</u>	
	<u>~4.8</u>	<u>56.7</u>	<u>3.79</u>	<u>1000+</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1125 Field Personnel: RL Beck

Measured Water Level (TOR ft.): 11.82

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-8</u>	<u>57.1</u>	<u>7.94</u>	<u>3.66</u>	<u>976</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RL Beck

Date: 7/24/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-9 Date: 7/16/08 Time Started: 1000 Field Personnel: RC Becken

Weather Conditions: clear warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>21.2</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>16.21</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>2" = 0.17</u>
Calculated Water Column Height (ft) <u>4.99</u>	(Circle One)	4" = 0.88	3" = 0.38
One Well Volume (gals.) <u>0.85</u>	Three Well Volumes (gals.)	6" = 1.50	8" = 2.60
		<u>SV = 4.25</u>	

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.85</u>	<u>~1.0</u>	<u>55.4</u>	<u>0.62</u>	<u>650</u>	<u>well dry</u>

Water Level After Pumping (TOR ft): dry Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1310 Field Personnel: RC Becken

Measured Water Level (TOR ft): 16.2

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-9</u>	<u>60.1</u>	<u>7.45</u>	<u>0.80</u>	<u>85</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/16/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-10 Date: 7/24/08 Time Started: 12:35 Field Personnel: RC Becken

Weather Conditions: light rain

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>28.00</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>14.75</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>6" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>13.25</u>	(Circle One)	4" = 0.88	6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.25</u>	Three Well Volumes (gals.)	<u>5V = 11.26</u>	

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.25</u>	<u>~6.25</u>	<u>52.4</u>	<u>1.85</u>	<u>111</u>	
	<u>~4.50</u>	<u>56</u>	<u>1.92</u>	<u>65.1</u>	<u>dry well</u>
	<u>~6.75</u>				
	<u>~9</u>				

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1:30 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 16.74

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-10</u>	<u>55.3</u>	<u>7.27</u>	<u>1.90</u>	<u>521</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RC Becken

Date: 7/24/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-11 Date: 7/24/08 Time Started: 1300 Field Personnel: RC Becken

Weather Conditions: light rain

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>23.86</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>14.86</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>9.0</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>1.53</u>	Three Well Volumes (gals.) <u>5V = 7.65</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Teflon Bailor

Polyethylene Bailor

Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.53</u>	<u>~1.5</u>	<u>56.5</u>	<u>0.85</u>	<u>57.6</u>	
	<u>~3</u>	<u>55.1</u>	<u>0.51</u>	<u>19.6</u>	
	<u>~4.5</u>	<u>55.0</u>	<u>0.46</u>	<u>7.03</u>	
	<u>~6</u>	<u>54.9</u>	<u>0.45</u>	<u>5.83</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1355 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 14.9

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

Teflon Bailor

Polyethylene Bailor

Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-11</u>	<u>55.0</u>	<u>7.42</u>	<u>0.50</u>	<u>175</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/24/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-12 Date: 7/16/08 Time Started: 1430 Field Personnel:

Weather Conditions: hot sunny

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>22.0</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>20.22</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>1.78</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>0.3</u>	Three Well Volumes (gals.) <u>3V = 1.5</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>~.3</u>	<u>~.3</u>	<u>61.5</u>	<u>1.24</u>	<u>1000</u>	
	<u>~.6</u>	<u>57.8</u>	<u>1.28</u>	<u>1000</u>	
	<u>~.9</u>	<u>57.2</u>	<u>1.30</u>	<u>1000</u>	
	<u>~1.2</u>	<u>57.2</u>	<u>1.29</u>	<u>1000</u>	

Water Level After Pumping (TOR ft): 20.78 Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1500 Field Personnel:

Measured Water Level (TOR ft.): 20.98

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-12</u>	<u>59.3</u>	<u>7.34</u>	<u>1.28</u>	<u>1000</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/16/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-13 Date: 7/24/08 Time Started: 1400 Field Personnel: RL Becken

Weather Conditions: light rain

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>36.06</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>26.95</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>9.11</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>1.55</u>	Three Well Volumes (gals.) <u>5V = 7.75</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.55</u>	<u>~1.5</u>	<u>56.2</u>	<u>2.24</u>	<u>45</u>	
	<u>~3</u>	<u>54.7</u>	<u>1.33</u>	<u>14</u>	
	<u>~4.5</u>	<u>54.2</u>	<u>1.10</u>	<u>6.3</u>	
	<u>~6</u>	<u>53.6</u>	<u>1.07</u>	<u>3.9</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1430 Field Personnel: RL Becken

Measured Water Level (TOR ft): 26.99

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-13</u>	<u>53.6</u>	<u>7.36</u>	<u>1.05</u>	<u>75</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/24/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-14 Date: 7/21/08 Time Started: 12⁰⁰ Field Personnel: RC Becken

Weather Conditions: light rain hot humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>15.82</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>14.74</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>1.08</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>0.1836</u>	Three Well Volumes (gals.) <u>SV = 0.5508 gal</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.18</u>	<u>~0.18</u>	<u>60.2</u>	<u>1.40</u>	<u>1000+</u>	
	<u>~0.36</u>	<u>57.7</u>	<u>1.04</u>	<u>1000+</u>	
	<u>~0.52</u>	<u>56.1</u>	<u>0.97</u>	<u>1000+</u>	
	<u>~0.70</u>	<u>56.2</u>	<u>0.97</u>	<u>1000+</u>	

Water Level After Pumping (TOR ft): _____ Calculated 95% Recovery Water Level: _____

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1225 Field Personnel: RC Becken

Measured Water Level (TOR ft): 14.89

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-14</u>	<u>56.1</u>	<u>1.78</u>	<u>0.98</u>	<u>1000+</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RC Becken

Date: 7/21/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-15 Date: 7/21/08 Time Started: 1120 Field Personnel: RC Becken

Weather Conditions: overcast but humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 24.2 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 15.08 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 9.12 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.55 Three Well Volumes (gals.) SV = 7.75

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.55</u>	<u>~1.55</u>	<u>54.7</u>	<u>1.26</u>	<u>20.6</u>	
	<u>~3.1</u>	<u>54.5</u>	<u>1.26</u>	<u>27.4</u>	<u>well dry</u>
	<u>~4.6</u>	<u>54.3</u>	<u>1.26</u>	<u>17.8</u>	
	<u>~6.2</u>	<u>54.0</u>	<u>1.25</u>	<u>20.2</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1150 Field Personnel: RC Becken

Measured Water Level (TOR ft): 19.52

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-15</u>	<u>53.6</u>	<u>7.41</u>	<u>1.25</u>	<u>25.7</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-16 Date: 7/17/08 Time Started: 1345 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>27.27</u>	River Pipe Diameter (In) <u>2</u>
Measured Water Level (TOR - ft) <u>24.36</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>2.91</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>0.4947</u>	Three Well Volumes (gals.) <u>SV = 2.47</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
0.49	~5	60.9	1.13	310	
	~1.0	56.5	0.95	140	
	~1.5	55.0	0.94	120	
	~2.0				

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 1405 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 24.36

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-16	55.6	7.35	0.94	240	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/17/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-17 Date: 7/25/08 Time Started: 1410 Field Personnel: RL Beck

Weather Conditions: Sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>26.5</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>21.16</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>5.34</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>0.91</u>	Three Well Volumes (gals.) <u>SV = 4.5</u>		

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.91</u>	<u>~1</u>	<u>59.9</u>	<u>1.51</u>	<u>290</u>	
	<u>~2</u>	<u>56.5</u>	<u>1.28</u>	<u>300</u>	
	<u>~3</u>	<u>56.4</u>	<u>1.29</u>	<u>450</u>	
	<u>~4</u>	<u>56.2</u>	<u>1.30</u>	<u>410</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1425 Field Personnel: RL Beck

Measured Water Level (TOR ft.): 23.57

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-17</u>	<u>57.1</u>	<u>7.39</u>	<u>0.58</u>	<u>75</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/25/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-18 Date: 7/23/08 Time Started: 1350 Field Personnel: RC Becker

Weather Conditions: light rain overcast

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>30.41</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>17.69</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>32.72</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>5.56</u>	Three Well Volumes (gals.) <u>5V = 27.81</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.86</u>	<u>~5.9</u>	<u>58.9</u>	<u>1.47</u>	<u>9.83</u>	
	<u>~11</u>	<u>57.7</u>	<u>1.68</u>	<u>14.4</u>	
	<u>~17</u>	<u>57.5</u>	<u>1.58</u>	<u>2.05</u>	
	<u>~22</u>	<u>57.6</u>	<u>1.80</u>	<u>4.45</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 1455 Field Personnel: RC Becker

Measured Water Level (TOR ft.): 43.7

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-18</u>	<u>57.5</u>	<u>7.5</u>	<u>1.50</u>	<u>15.5</u>	

QA/QC Samples Taken: Field Dup #4

Comments:

Signature

Sampler (Print): Richard C. Becker

Sampler (signature): RC Becker

Date: 7/23/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-19 Date: 7/16/08 Time Started: 1020 Field Personnel: R. Becken
 Weather Conditions: clear warm sunny
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 66.31 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 25.82 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 48.49 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.88 Three Well Volumes (gals.) SV = 34.42

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.88</u>	<u>~7</u>	<u>62.1</u>	<u>1.48</u>	<u>4.9</u>	
	<u>~14</u>	<u>57.7</u>	<u>1.50</u>	<u>0.85</u>	
	<u>~21</u>	<u>57.0</u>	<u>1.51</u>	<u>0.45</u>	
	<u>~28</u>	<u>57.1</u>	<u>1.52</u>	<u>0.20</u>	

Water Level After Pumping (TOR ft): 27.91 Calculated 95% Recovery Water Level:
 Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1400 Field Personnel: R. Becken
 Measured Water Level (TOR ft): 25.57
 Sampling Method: (Circle one): Stainless Steel B Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-19</u>	<u>63.0</u>	<u>7.31</u>	<u>1.39</u>	<u>20</u>	

QA/QC Samples Taken: MS + MSD
 Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/16/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-20 Date: 7/22/08 Time Started: 1210 Field Personnel: RC Becken

Weather Conditions: overcast humid warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>50.05</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>12.82</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.36
Calculated Water Column Height (ft) <u>37.23</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>6.33</u>	Three Well Volumes (gals.) <u>51.6</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.33</u>	<u>~6.33</u>	<u>55.5</u>	<u>1.61</u>	<u>3.84</u>	
	<u>~12.66</u>	<u>54.5</u>	<u>1.65</u>	<u>4.44</u>	
	<u>~18.99</u>	<u>54.6</u>	<u>1.68</u>	<u>7.66</u>	
	<u>~25.32</u>	<u>54.1</u>	<u>1.67</u>	<u>3.34</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1240 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 26.59

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-20</u>	<u>56.7</u>	<u>8.08</u>	<u>1.01</u>	<u>11.4</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-21 Date: 7/21/08 Time Started: 1420 Field Personnel: RC Becken

Weather Conditions: Sunny humid hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>26.62</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>20.75</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>5.87</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.0</u>	Three Well Volumes (gals.) <u>5V = 5</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1</u>	<u>~1</u>	<u>60.8</u>	<u>1.03</u>	<u>1000+</u>	
	<u>~2</u>	<u>56.8</u>	<u>1.03</u>	<u>1000+</u>	
	<u>~3</u>	<u>55.6</u>	<u>1.03</u>	<u>1000+</u>	
	<u>~4</u>	<u>55.5</u>	<u>1.02</u>	<u>1000+</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1445 Field Personnel: RC Becken

Measured Water Level (TOR ft): 21.66

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-21</u>	<u>57.1</u>	<u>7.31</u>	<u>1.01</u>	<u>1000</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: 6-22 Date: 7/21/08 Time Started: 1340 Field Personnel: RC Beck

Weather Conditions: sunny hot humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>36.6</u>	River Pipe Diameter (in)	<u>2</u>
Measured Water Level (TOR - ft)	<u>27.6</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08 <u>(2" = 0.17)</u> 3" = 0.38
Calculated Water Column Height (ft)	<u>8.4</u>	(Circle One)	4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.)	<u>1.43</u>	Three Well Volumes (gals.)	<u>SV = 7.14</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.43</u>	<u>~1.43</u>	<u>60.9</u>	<u>1.40</u>	<u>24.2</u>	
	<u>~ 2.86</u>	<u>57.0</u>	<u>1.33</u>	<u>72.4</u>	
	<u>~ 4.29</u>	<u>56.6</u>	<u>1.33</u>	<u>70.3</u>	
	<u>~ 5.72</u>	<u>56.4</u>	<u>1.33</u>	<u>68.5</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1410 Field Personnel: RC Beck

Measured Water Level (TOR ft.): 30.42

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-22</u>	<u>58.5</u>	<u>7.23</u>	<u>1.26</u>	<u>13.6</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-23 Date: 7/25/08 Time Started: 5:20 Field Personnel: RC Becken

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 31.81 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 27.2 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 4.61 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.78 Three Well Volumes (gals.) 5V = 3.92

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
0.78	~0.75	58.0	1.67	35	
	~1.5	55.1	1.12	40	
	~2.25	54.7	1.12	30	
	~3	53.9	1.12	15	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1355 Field Personnel: RC Becken

Measured Water Level (TOR ft): 26.52

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-23</u>	<u>56.7</u>	<u>7.24</u>	<u>1.12</u>	<u>9.3</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/25/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-24 Date: 7/28/08 Time Started: 1220 Field Personnel: RC Becken

Weather Conditions: Sunny Warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>28.4</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>19.07</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>9.33</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.59</u>	Three Well Volumes (gals.) <u>5V = 7.93</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.59</u>	<u>~1.6</u>	<u>55.5</u>	<u>1.43</u>	<u>95</u>	
	<u>~3.2</u>	<u>55.0</u>	<u>1.40</u>	<u>12</u>	
	<u>~4.8</u>	<u>54.2</u>	<u>1.39</u>	<u>5.4</u>	
	<u>~6.4</u>	<u>54.1</u>	<u>1.38</u>	<u>2.7</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/28/08 Time Sampled: 1245 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 19.18

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-24</u>	<u>54.6</u>	<u>7.30</u>	<u>1.40</u>	<u>110</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/28/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B26 Date: 7/24/08 Time Started: 0905 Field Personnel: RC Becken

Weather Conditions: overcast cool

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>30.2</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>15.2</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>15</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>2.55</u>	Three Well Volumes (gals.) <u>5V = 12.75</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.55</u>	<u>~2.5</u>	<u>54.0</u>	<u>1.09</u>	<u>12.9</u>	
	<u>~5</u>	<u>53.6</u>	<u>1.09</u>	<u>9.66</u>	
	<u>~7.5</u>	<u>53.0</u>	<u>1.08</u>	<u>6.6</u>	
	<u>~10</u>	<u>52.9</u>	<u>1.07</u>	<u>3.85</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 0940 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 18.15

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-26</u>	<u>53.6</u>	<u>7.54</u>	<u>1.13</u>	<u>172</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/24/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-28 Date: 7/21/08 Time Started: 1300 Field Personnel: RC Beck

Weather Conditions: sunny hot windy

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>36.25</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>28.76</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Estimated Water Column Height (ft) <u>7.99</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
Well Volume (gals.) <u>1.36</u>	Three Well Volumes (gals.) <u>5V = 6.4</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.36</u>	<u>~1.35</u>	<u>58.3</u>	<u>1.24</u>	<u>980</u>	
	<u>~2.70</u>	<u>56.4</u>	<u>1.25</u>	<u>369</u>	
	<u>~4.</u>	<u>56.0</u>	<u>1.27</u>	<u>366</u>	
	<u>~5.75</u>	<u>55.8</u>	<u>1.28</u>	<u>351</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1330 Field Personnel: RC Beck

Measured Water Level (TOR ft): 29.41

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-28</u>	<u>58.6</u>	<u>7.22</u>	<u>1.24</u>	<u>346</u>	

QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/21/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-29 Date: 7/25/08 Time Started: 1115 Field Personnel: RC Becken
 Weather Conditions: sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 38.6 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 30.21 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 8.39 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.43 Three Well Volumes (gals.) 5V = 7.13

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.43</u>	<u>~1.43</u>	<u>56.9</u>	<u>1.23</u>	<u>1000</u>	
	<u>~2.86</u>	<u>57.5</u>	<u>1.12</u>	<u>90</u>	
	<u>~4.3</u>	<u>56.4</u>	<u>1.08</u>	<u>72</u>	
	<u>~5.75</u>	<u>56.3</u>	<u>1.06</u>	<u>8.2</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1150 Field Personnel: RC Becken

Measured Water Level (TOR ft): 30.19

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-29</u>	<u>54.5</u>	<u>7.22</u>	<u>1.13</u>	<u>280</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/25/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-31 Date: 7/24/08 Time Started: 0955 Field Personnel: RC Beck

Weather Conditions: overcast, cool

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>43.6</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>10.81</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) <u>32.79</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>5.57</u>	Three Well Volumes (gals.) <u>5V = 27.9</u>		

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.57</u>	<u>~5.5</u>	<u>55</u>	<u>0.96</u>	<u>33.2</u>	
	<u>~11</u>	<u>52.4</u>	<u>0.91</u>	<u>7.5</u>	
	<u>~16.5</u>	<u>52.5</u>	<u>0.91</u>	<u>3.32</u>	
	<u>~22</u>	<u>52.8</u>	<u>0.90</u>	<u>2.19</u>	

Water Level After Pumping (TOR ft): _____ Calculated 95% Recovery Water Level: _____

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1040 Field Personnel: RC Beck

Measured Water Level (TOR ft.): 10.95

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-31</u>	<u>54.0</u>	<u>8.61</u>	<u>0.86</u>	<u>49.1</u>	

QA/QC Samples Taken: _____

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): RC Beck Date: 7/24/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-32 Date: 7/25/08 Time Started: 0935 Field Personnel: RC Becker

Weather Conditions: SUNNY 68

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>40.58</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>33.9</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>6.68</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>1.14</u>	Three Well Volumes (gals.) <u>5.14</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.14</u>	<u>~1.14</u>	<u>57.4</u>	<u>1.29</u>	<u>400</u>	
	<u>~2.28</u>	<u>55.5</u>	<u>1.29</u>	<u>190</u>	
	<u>~3.42</u>	<u>55.2</u>	<u>1.34</u>	<u>100</u>	
	<u>~4.56</u>	<u>54.3</u>	<u>1.33</u>	<u>110</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1005 Field Personnel: RC Becker

Measured Water Level (TOR ft): 36.41

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-32</u>	<u>56.1</u>	<u>7.31</u>	<u>1.28</u>	<u>20</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print) Richard C. Becken Sampler (signature) Richard C. Becker Date: 7/25/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-33 Date: 7/25/08 Time Started: 0850 Field Personnel: RC Becker

Weather Conditions: Sunny 65°

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>32.12</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>23.47</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>8.65</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>1.47</u>	Three Well Volumes (gals.) <u>5 V = 7.35</u>		

(Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.47</u>	<u>~1.5</u>	<u>86.3</u>	<u>1.17</u>	<u>850</u>	
	<u>~3.0</u>	<u>56.4</u>	<u>1.17</u>	<u>250</u>	
	<u>~4.5</u>	<u>56.1</u>	<u>1.18</u>	<u>45</u>	
	<u>~6</u>	<u>55.9</u>	<u>1.20</u>	<u>18</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 0925 Field Personnel: RC Becker

Measured Water Level (TOR ft.): 25.16

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-33</u>	<u>55.5</u>	<u>7.08</u>	<u>1.23</u>	<u>25</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becker

Sampler (signature): Richard C. Becker

Date: 7/25/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-38 Date: 7/25/08 Time Started: 1445 Field Personnel: RL Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>41.31</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>31.03</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) <u>10.28</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>1.75</u>	Three Well Volumes (gals.) <u>5V = 8.74</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.75</u>	<u>-1.75</u>	<u>59.1</u>	<u>1.22</u>	<u>95</u>	
	<u>~3.5</u>	<u>55.5</u>	<u>1.22</u>	<u>1000+</u>	
	<u>~4.75</u>	<u>55.1</u>	<u>1.23</u>	<u>280</u>	
	<u>~6</u>	<u>54.5</u>	<u>1.24</u>	<u>310</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1530 Field Personnel: RL Becken

Measured Water Level (TOR ft): 37.1

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-38</u>	<u>55.1</u>	<u>7.25</u>	<u>1.24</u>	<u>65</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RL Becken

Date: 7/25/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-39 Date: 7/24/08 Time Started: 1200 Field Personnel: RL Becken

Weather Conditions: light rain, cool

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>44.05</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>24.64</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>19.41</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>3.29</u>	Three Well Volumes (gals.) <u>5V = 16.5</u>		

Notes:

Well Conditions

Well Riser Type (Circle one):	☒ <u>Stainless Steel</u>	☐ Carbon Steel	☐ PVC
Casing Condition:	☒ <u>OK</u>	Repair Required:	
Cap Condition:	☒ <u>OK</u>	Repair Required:	
Paint Condition:	☒ <u>OK</u>	Repair Required:	
Lock Condition:	☒ <u>OK</u>	Repair Required:	
Inner Casing Condition:	☒ <u>OK</u>	Repair Required:	
Surface Seal Condition:	☒ <u>OK</u>	Repair Required:	

Other:

Purge Information

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

Teflon Bailor

Polyethylene Bailor

Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.29</u>	<u>~3.3</u>	<u>55.8</u>	<u>1.38</u>	<u>21.9</u>	
	<u>~6.6</u>	<u>53.4</u>	<u>1.16</u>	<u>3.13</u>	
	<u>~9.9</u>	<u>53.1</u>	<u>1.04</u>	<u>3.10</u>	
	<u>~13.2</u>	<u>53</u>	<u>1.02</u>	<u>1.34</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1230 Field Personnel: RL Becken

Measured Water Level (TOR ft.): 24.71

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

Teflon Bailor

~~Polyethylene Bailor~~

Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-39</u>	<u>53.6</u>	<u>7.91</u>	<u>0.82</u>	<u>82.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/24/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-40 Date: 7/23/08 Time Started: 1300 Field Personnel: RC Becken

Weather Conditions: overcast warm rain

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>58.03</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>24.82</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>33.21</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>5.6457</u>	Three Well Volumes (gals.) <u>SV = 28.22</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.65</u>	<u>~5.65</u>	<u>56.2</u>	<u>1.46</u>	<u>5.2</u>	
	<u>~11.3</u>	<u>55.6</u>	<u>1.32</u>	<u>2.32</u>	
	<u>~16.95</u>	<u>55.5</u>	<u>1.29</u>	<u>2.08</u>	
	<u>~22.5</u>	<u>55.7</u>	<u>1.28</u>	<u>1.69</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 1345 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 26.32

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-40</u>	<u>55.4</u>	<u>1.45</u>	<u>7.6</u>	<u>27.6</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RC Becken

Date: 7/23/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-41 Date: 7/16/08 Time Started: 0840 Field Personnel: RC Becken

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>72.73</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>24.78</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>47.95</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>8.15</u>	Three Well Volumes (gals.) <u>5V = 40.75</u>

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8.15</u>	<u>~8.15</u>	<u>56.6</u>	<u>2.51</u>	<u>230</u>	
	<u>~16</u>	<u>56.0</u>	<u>2.24</u>	<u>9.9</u>	
	<u>~24</u>	<u>54.4</u>	<u>2.54</u>	<u>13</u>	
	<u>~32</u>	<u>54.9</u>	<u>2.50</u>	<u>7.7</u>	

Water Level After Pumping (TOR ft): 30.75 Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1300 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 25.07

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-41</u>	<u>60.6</u>	<u>7.75</u>	<u>1.08</u>	<u>6.6</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/16/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-42 Date: 7/23/08 Time Started: 0855 Field Personnel: RC Becken
Weather Conditions: overcast warm humid
Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 45.51 River Pipe Diameter (in) 2
Measured Water Level (TOR - ft) 22.37 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
Calculated Water Column Height (ft) 23.14' (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) 3.9 Three Well Volumes (gals.) SV = 19.67

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.9</u>	<u>~4</u>	<u>52.9</u>	<u>1.13</u>	<u>7.22</u>	
	<u>~8</u>	<u>54.4</u>	<u>1.13</u>	<u>4.91</u>	
	<u>~12</u>	<u>56.4</u>	<u>1.11</u>	<u>3.63</u>	
	<u>~16</u>	<u>55.9</u>	<u>1.11</u>	<u>5.97</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:
Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 0920 Field Personnel: RC Becken
Measured Water Level (TOR ft.): 22.4
Sampling Method: (Circle one): Stainless Steel B Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-42</u>	<u>57.7</u>	<u>7.48</u>	<u>1.07</u>	<u>17.7</u>	

QA/QC Samples Taken:
Comments:
Signature
Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/23/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-43 Date: 7/23/08 Time Started: 0925 Field Personnel: RL Becken

Weather Conditions: sunny warm slight wind

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>58.96</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>22.69</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.36
Calculated Water Column Height (ft) <u>36.27</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>6.17</u>	Three Well Volumes (gals.) <u>5V = 30.8</u>

Notes:

Well Conditions

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

Purge Information

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

☐ Teflon Bailor ☐ Polyethylene Bailor Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.17</u>	<u>~6.2</u>	<u>58.0</u>	<u>1.67</u>	<u>5.21</u>	
	<u>~12.4</u>	<u>59.7</u>	<u>1.79</u>	<u>1.62</u>	<u>well dry</u>

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/23/08 Time Sampled: 1035 Field Personnel: RL Becken

Measured Water Level (TOR ft.): 53.35

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

☐ Teflon Bailor ☒ Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-43</u>	<u>58.2</u>	<u>7.29</u>	<u>1.67</u>	<u>3.83</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/23/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-44 Date: 7/28/08 Time Started: 905 Field Personnel: RL Becker

Weather Conditions: Sunny w/alm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>84.6</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>24.25</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>60.35</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>10.26</u>	Three Well Volumes (gals.) <u>5V = 51.3</u>		

Notes:

Well Conditions

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

Purge Information

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

Teflon Bailer Polyethylene Bailer Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>10.26</u>	<u>~10.25</u>	<u>58.3</u>	<u>2.95</u>	<u>120</u>	
	<u>~21.5</u>	<u>57.1</u>	<u>2.93</u>	<u>950</u>	<u>well dry</u>

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/28/08 Time Sampled: 1330 Field Personnel: RL Becker

Measured Water Level (TOR ft): 34.73

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

Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-44</u>	<u>60.3</u>	<u>7.34</u>	<u>2.97</u>	<u>23</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becker

Sampler (signature): RL Becker

Date: 7/28/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-45 Date: 7/25/08 Time Started: 1015 Field Personnel: RC Beck

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>24.9</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>22.74</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>2.69</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>0.457</u>	Three Well Volumes (gals.) <u>SV = 2.29</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.457</u>	<u>~.5</u>	<u>56.3</u>	<u>2.19</u>	<u>450</u>	<u>well dry</u>

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1330 Field Personnel: RC Beck

Measured Water Level (TOR ft.): 24.84

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-45</u>	<u>55.0</u>	<u>7.60</u>	<u>2.21</u>	<u>1000+</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/25/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-46 Date: 7/25/08 Time Started: 1025 Field Personnel: RC Beck

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft): <u>40.60</u>	River Pipe Diameter (in): <u>2</u>
Measured Water Level (TOR - ft): <u>24.94</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft): <u>15.06</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.): <u>2.56</u>	Three Well Volumes (gals.): <u>5V = 12.8</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.56</u>	<u>~2.5</u>	<u>56.1</u>	<u>1.32</u>	<u>60</u>	
	<u>~5</u>	<u>55.0</u>	<u>1.34</u>	<u>7.7</u>	
	<u>~7.5</u>	<u>54.3</u>	<u>1.28</u>	<u>3.5</u>	
	<u>~10</u>	<u>54.0</u>	<u>1.26</u>	<u>2.6</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/25/08 Time Sampled: 1100 Field Personnel: RC Beck

Measured Water Level (TOR ft.): 24.95

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-46</u>	<u>54.9</u>	<u>7.5</u>	<u>1.27</u>	<u>50</u>	

QA/QC Samples Taken: Field Dup⁵

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Beck

Date: 7/25/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-48 Date: 7/24/08 Time Started: 1455 Field Personnel:

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>47.00</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>24.22</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>22.78</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>3.9</u>	Three Well Volumes (gals.) <u>57.19</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.9</u>	<u>~4</u>	<u>55.3</u>	<u>1.08</u>	<u>16</u>	
	<u>~8</u>	<u>54.4</u>	<u>1.08</u>	<u>31</u>	
	<u>~12</u>	<u>54.3</u>	<u>1.07</u>	<u>4.4</u>	
	<u>~16</u>	<u>54.2</u>	<u>1.09</u>	<u>4.2</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/24/08 Time Sampled: 1545 Field Personnel: RL Beck

Measured Water Level (TOR ft): 24.25

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-48</u>	<u>54.2</u>	<u>7.45</u>	<u>1.00</u>	<u>80</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/24/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-49 Date: 7/16/08 Time Started: 1105 Field Personnel: PC Becker

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>82.61</u>	River Pipe Diameter (in)		
Measured Water Level (TOR - ft) <u>30.81</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>51.8</u>	(Circle One)	4" = 0.88	6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>8.80</u>	Three Well Volumes (gals.)	<u>5V = 44</u>	

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8.80</u>	<u>~9</u>	<u>63.4</u>	<u>3.13</u>	<u>21</u>	
	<u>~18</u>	<u>58.1</u>	<u>3.19</u>	<u>3.0</u>	
	<u>~27</u>	<u>57.9</u>	<u>3.22</u>	<u>1.6</u>	
	<u>~36</u>	<u>58</u>	<u>3.25</u>	<u>0.65</u>	

Water Level After Pumping (TOR ft): 842.61 Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1420 Field Personnel: PC Becker

Measured Water Level (TOR ft.): 32.83

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-49</u>	<u>59.6</u>	<u>7.07</u>	<u>2.85</u>	<u>37</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becker

Sampler (signature): Richard C Becker

Date: 7/16/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-50 Date: 7/22/08 Time Started: 1345 Field Personnel: RC Becken

Weather Conditions: overcast warm humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>35.89</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>13.65</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>22.24</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>3.8</u>	Three Well Volumes (gals.) <u>SV = 18.9</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.8</u>	<u>~3.8</u>	<u>54.4</u>	<u>0.92</u>	<u>79.8</u>	
	<u>~9.6</u>	<u>52.9</u>	<u>0.92</u>	<u>15.2</u>	
	<u>~11.4</u>	<u>52.5</u>	<u>0.92</u>	<u>6.5</u>	
	<u>~15.2</u>	<u>52.4</u>	<u>0.92</u>	<u>4.99</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1420 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 13.7

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-50</u>	<u>54.2</u>	<u>7.37</u>	<u>0.91</u>	<u>18.5</u>	

QA/QC Samples Taken: Field Dup #3

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-51 Date: 7/22/08 Time Started: 1245 Field Personnel: RC Becken

Weather Conditions: overcast warm humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>66.6</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>7.88</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>58.72</u>	(Circle One)	4" = 0.88	6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>9.98</u>	Three Well Volumes (gals.)	<u>SV = 49.9</u>	

Notes:

Well Conditions

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

Other:

Purge Information

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

☐ Teflon Bailor ☐ Polyethylene Bailor ☒ Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>9.98</u>	<u>~10</u>	<u>53.6</u>	<u>1.11</u>	<u>1.39</u>	
	<u>~20</u>	<u>53.4</u>	<u>1.13</u>	<u>1.49</u>	
	<u>~30</u>	<u>53.5</u>	<u>1.12</u>	<u>0.22</u>	
	<u>~40</u>	<u>53.7</u>	<u>1.13</u>	<u>0.37</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1340 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 12.3

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

☐ Teflon Bailor ☒ Polyethylene Bailor ☐ Other:

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-51</u>	<u>55.8</u>	<u>8.11</u>	<u>0.77</u>	<u>41.6</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-52 Date: 7/22/08 Time Started: 1015 Field Personnel: RC Becken

Weather Conditions: overcast, humid, warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>22.47</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>13.37</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>9.1</u>	(Circle One)	4" = 0.88	6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.55</u>	Three Well Volumes (gals.)	<u>5V = 7.7</u>	

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.55</u>	<u>~1.55</u>	<u>55.6</u>	<u>1.34</u>	<u>350</u>	
	<u>~3.10</u>	<u>54.8</u>	<u>1.36</u>	<u>50.1</u>	
	<u>~4.65</u>	<u>54.7</u>	<u>1.35</u>	<u>32.0</u>	
	<u>~6.2</u>	<u>54.6</u>	<u>1.32</u>	<u>21.5</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1035 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 13.38

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-52</u>	<u>54.7</u>	<u>7.49</u>	<u>1.29</u>	<u>485</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-53 Date: 7/22/08 Time Started: 1110 Field Personnel: RC Becken

Weather Conditions: overcast humid warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>37.36</u>	River Pipe Diameter (in)	<u>2</u>
Measured Water Level (TOR - ft)	<u>13.32</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft)	<u>24.04</u>	(Circle One)	4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.)	<u>4.09</u>	Three Well Volumes (gals.)	<u>5V = 20.4</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>4.09</u>	<u>~4</u>	<u>54</u>	<u>1.04</u>	<u>17.5</u>	
	<u>~8</u>	<u>53.3</u>	<u>1.01</u>	<u>1.93</u>	
	<u>~12</u>	<u>53.2</u>	<u>1.01</u>	<u>1.72</u>	
	<u>~16</u>	<u>53.0</u>	<u>1.01</u>	<u>2.21</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1125 Field Personnel: RC Becken

Measured Water Level (TOR ft): 13.4

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-53</u>	<u>54.3</u>	<u>7.48</u>	<u>0.90</u>	<u>25.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RC Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-54 Date: 7/22/08 Time Started: 0945 Field Personnel: RC Becken

Weather Conditions: overcast warm humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 57.56 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 12.95 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 44.61 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 7.6 Three Well Volumes (gals.) 5V = 38

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>7.6</u>	<u>~7.6</u>	<u>55.1</u>	<u>1.12</u>	<u>9.52</u>	
	<u>~18.3</u>	<u>54.9</u>	<u>1.02</u>	<u>128</u>	<u>well dry</u>
	<u>~22.8</u>				
	<u>~30.4</u>				

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1100 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 51.05

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-54</u>	<u>56.2</u>	<u>11.60?</u>	<u>1.02</u>	<u>19.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RC Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-55 Date: 7/22/08 Time Started: 0900 Field Personnel: RC Becken

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>84.11</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>28.76</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>55.35</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>9.4</u>	Three Well Volumes (gals.) <u>5V = 47</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>9.4</u>	<u>~9.5</u>	<u>55.4</u>	<u>3.98</u>	<u>35</u>	
	<u>~19</u>	<u>55.2</u>	<u>4.05</u>	<u>5.75</u>	<u>well dry</u>

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/22/08 Time Sampled: 1050 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 72.9

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-55</u>	<u>55.4</u>	<u>7.78</u>	<u>3.94</u>	<u>6.22</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/22/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-56 Date: 7/28/08 Time Started: 1145 Field Personnel: RL Becken

Weather Conditions: Sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 39.13 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 26.79 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 12.89 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.19 Three Well Volumes (gals.) 511 = 11

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.19</u>	<u>~2.2</u>	<u>56.4</u>	<u>2.13</u>	<u>700</u>	
	<u>~4.4</u>	<u>55.8</u>	<u>1.64</u>	<u>260</u>	
	<u>~6.6</u>	<u>55.0</u>	<u>1.25</u>	<u>34</u>	
	<u>~8.8</u>	<u>54.9</u>	<u>1.21</u>	<u>17</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/28/08 Time Sampled: 1215 Field Personnel: RL Becken

Measured Water Level (TOR ft): 26.81

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-56</u>	<u>56.1</u>	<u>7.87</u>	<u>1.53</u>	<u>55</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/28/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-57 Date: 7/28/08 Time Started: 1030 Field Personnel: RC Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>30.65</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>29.76</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>20.89</u>	(Circle One) 4" = 0.88	5" = 1.50	8" = 2.60
One Well Volume (gals.) <u>3.55</u>	Three Well Volumes (gals.) <u>SV = 17.76</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.55</u>	<u>~3.55</u>	<u>56.6</u>	<u>2.53</u>	<u>220</u>	
	<u>~6.0</u>	<u>54.2</u>	<u>2.57</u>	<u>150</u>	<u>well dry</u>

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/28/08 Time Sampled: 1300 Field Personnel: RC Becken

Measured Water Level (TOR ft): 34.41

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-57</u>	<u>55.5</u>	<u>7.37</u>	<u>2.41</u>	<u>13</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/28/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-58 Date: 7/28/08 Time Started: 1100 Field Personnel: RC Becker
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 63.68 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 28.65 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 35.03 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.47 Three Well Volumes (gals.) 5V = 32.32

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.47</u>	<u>~6.5</u>	<u>55.5</u>	<u>1.57</u>	<u>7.3</u>	
	<u>~13</u>	<u>55.3</u>	<u>1.50</u>	<u>4.3</u>	
	<u>~19.5</u>	<u>55.5</u>	<u>1.50</u>	<u>2.2</u>	
	<u>~26</u>	<u>55.0</u>	<u>1.50</u>	<u>2.2</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/28/08 Time Sampled: 1140 Field Personnel: RC Becker
 Measured Water Level (TOR ft.): 28.05

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-58</u>	<u>56.6</u>	<u>7.86</u>	<u>1.50</u>	<u>4.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becker

Sampler (signature): RC Becker

Date: 7/28/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-59 Date: 7/21/08 Time Started: 915 Field Personnel: RC Becker

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 69.27 River Pipe Diameter (in) 2"
 Measured Water Level (TOR - ft) 31.64 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 37.63 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.4 Three Well Volumes (gals.) SV + 32

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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.4</u>	<u>~6.4</u>	<u>56.5</u>	<u>2.88</u>	<u>8.4</u>	
	<u>~12.8</u>	<u>54.7</u>	<u>2.86</u>	<u>26</u>	
	<u>~19.2</u>	<u>55.2</u>	<u>2.91</u>	<u>1.83</u>	
	<u>~25.6</u>	<u>54.8</u>	<u>2.95</u>	<u>3.40</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 0950 Field Personnel: RC Becker

Measured Water Level (TOR ft): 33.7

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-59</u>	<u>54.7</u>	<u>7.54</u>	<u>1.81</u>	<u>785</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becker Sampler (signature): [Signature] Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-60 Date: 7/21/08 Time Started: 0965 Field Personnel: RC Becken

Weather Conditions: light rain

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>55.15</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>24.3</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>30.85</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>5.24</u>	Three Well Volumes (gals.) <u>5V = 26.22</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.24</u>	<u>~5.25</u>	<u>54.2</u>	<u>2.16</u>	<u>6.39</u>	
	<u>~10.5</u>	<u>53.2</u>	<u>2.56</u>	<u>14.7</u>	
	<u>~15.75</u>	<u>53.8</u>	<u>2.30</u>	<u>0.88</u>	
	<u>~21</u>	<u>53.9</u>	<u>2.06</u>	<u>0.55</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1045 Field Personnel: RC Becken

Measured Water Level (TOR ft): 33.91

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-60</u>	<u>54.2</u>	<u>7.78</u>	<u>1.78</u>	<u>40.3</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-61 Date: 7/21/08 Time Started: 1050 Field Personnel:

Weather Conditions: light rain hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>30.61</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>23.93</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>15.66</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>2.66</u>	Three Well Volumes (gals.) <u>51.3</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.66</u>	<u>~2.66</u>	<u>53.4</u>	<u>1.18</u>	<u>69.1</u>	
	<u>~5.2</u>	<u>52.9</u>	<u>1.11</u>	<u>36.3</u>	
	<u>~7.8</u>	<u>52.7</u>	<u>1.11</u>	<u>18.8</u>	
	<u>~10.1</u>	<u>52.6</u>	<u>1.10</u>	<u>16.4</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/21/08 Time Sampled: 1115 Field Personnel: RL Becken

Measured Water Level (TOR ft): 24.65

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-61</u>	<u>53.5</u>	<u>7.74</u>	<u>0.97</u>	<u>82.5</u>	

QA/QC Samples Taken: Field Dup #2

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-62 Date: 7/17/08 Time Started: 1230 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 91.6 River Pipe Diameter (In) 2
 Measured Water Level (TOR - ft) 9.94 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 81.76 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 13.899 Three Well Volumes (gals.) SV = 69.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>13.89</u>	<u>~14</u>	<u>55.5</u>	<u>3.32</u>	<u>0.15</u>	
	<u>~28</u>	<u>54.5</u>	<u>3.32</u>	<u>0.10</u>	
	<u>~42</u>	<u>53.9</u>	<u>3.32</u>	<u>0.10</u>	
	<u>~56</u>	<u>53.8</u>	<u>3.26</u>	<u>0.15</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 1330 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 9.92

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-62</u>	<u>58.5</u>	<u>7.37</u>	<u>3.19</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/17/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-63 Date: 7/17/08 Time Started: 1205 Field Personnel: RC Becken

Weather Conditions: Sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>27.5</u>	Riser Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>21.96</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>5.54</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>0.9418</u>	Three Well Volumes (gals.) <u>5V = 4.709</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.9418</u>	<u>~1</u>	<u>61.4</u>	<u>1.88</u>	<u>130</u>	
	<u>~2</u>	<u>59.6</u>	<u>1.70</u>	<u>210</u>	
	<u>~3</u>	<u>58.6</u>	<u>1.65</u>	<u>29</u>	
	<u>~4</u>	<u>57.5</u>	<u>1.65</u>	<u>11</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 1225 Field Personnel: RC Becken

Measured Water Level (TOR ft): 23.42

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-63</u>	<u>55.3</u>	<u>7.28</u>	<u>1.52</u>	<u>220</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/17/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-64 Date: 7/17/08 Time Started: 1050 Field Personnel: RC Becken

Weather Conditions: Sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>42.55</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>22.11</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>20.44</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>3.4748</u>	Three Well Volumes (gals.) <u>5V = 17.374</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.47</u>	<u>~3.5</u>	<u>53.3</u>	<u>1.05</u>	<u>45</u>	
	<u>~7</u>	<u>52.8</u>	<u>0.90</u>	<u>19</u>	
	<u>~10.5</u>	<u>52.7</u>	<u>0.88</u>	<u>25</u>	
	<u>~14</u>	<u>52.6</u>	<u>0.86</u>	<u>11</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 1130 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 22.11

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-64</u>	<u>54.4</u>	<u>7.69</u>	<u>0.89</u>	<u>17</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): RC Becken

Date: 7/17/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: B-65 Date: 7/17/08 Time Started: 1005 Field Personnel: RL Becken

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>57.86</u>	River Pipe Diameter (in) <u>2</u>		
Measured Water Level (TOR - ft) <u>22.46</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft) <u>35.4</u>	(Circle One) 4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.) <u>6.018</u>	Three Well Volumes (gals.) <u>5V = 30.09</u>		

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.018</u>	<u>~6</u>	<u>68.1</u>	<u>2.64</u>	<u>5.8</u>	
	<u>~12</u>	<u>54.9</u>	<u>2.71</u>	<u>2.7</u>	
	<u>~18</u>	<u>54.2</u>	<u>2.78</u>	<u>1.2</u>	
	<u>~24</u>	<u>54.3</u>	<u>2.79</u>	<u>1.1</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 1040 Field Personnel: RL Becken

Measured Water Level (TOR ft.): 28.66

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-65</u>	<u>55.5</u>	<u>8.34</u>	<u>1.94</u>	<u>50</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/17/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-66 Date: 7/17/08 Time Started: 0900 Field Personnel: RC Beck

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 41.95 River Pipe Diameter (in) 2
 Measured Water Level (TOR - ft) 23.55 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 18.4 (Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.13 Three Well Volumes (gals.) 5V = 15.64

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.13</u>	<u>~3.2</u>	<u>55.9</u>	<u>0.91</u>	<u>85</u>	
	<u>~6.5</u>	<u>54.4</u>	<u>0.83</u>	<u>4.3</u>	
	<u>~10</u>	<u>53.0</u>	<u>0.83</u>	<u>2.0</u>	
	<u>~13</u>	<u>52.7</u>	<u>0.84</u>	<u>0.95</u>	

Water Level After Pumping (TOR ft):

Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 0925 Field Personnel: RC Beck
 Measured Water Level (TOR ft): 23.51

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-66</u>	<u>54.6</u>	<u>10.08 ?</u>	<u>0.53</u>	<u>40</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Beck

Date: 7/17/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: B-67 Date: 7/17/08 Time Started: 0935 Field Personnel: RC Becken

Weather Conditions: SUNNY W/RAIN

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>25.24</u>	River Pipe Diameter (in) <u>2</u>
Measured Water Level (TOR - ft) <u>19.07</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>6.17</u>	(Circle One) 4" = 0.88 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.05</u>	Three Well Volumes (gals.) <u>5155.24</u>

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.05</u>	<u>~1</u>	<u>61.1</u>	<u>0.99</u>	<u>60</u>	
	<u>~2</u>	<u>60.4</u>	<u>1.07</u>	<u>55</u>	
	<u>~3</u>	<u>56.2</u>	<u>1.08</u>	<u>18</u>	
	<u>~4</u>	<u>56.4</u>	<u>1.06</u>	<u>4.8</u>	

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/17/08 Time Sampled: 1000 Field Personnel: RC Becken

Measured Water Level (TOR ft): 19.71

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-67</u>	<u>55.7</u>	<u>7.34</u>	<u>1.03</u>	<u>22</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/17/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: P-2 Date: 7/16/08 Time Started: 1340 Field Personnel: RC Becken

Weather Conditions: lt sunny

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	River Pipe Diameter (in) <u>10</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	<u>1.25" = 0.08</u>	<u>2" = 0.17</u>
Calculated Water Column Height (ft)	(Circle One)	<u>4" = 0.88</u>	<u>6" = 1.50</u>
One Well Volume (gals.)	Three Well Volumes (gals.)		

Notes:

Well Conditions

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

Purge Information

Pumping 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

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1340 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 18.21

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-2</u>	<u>64.2</u>	<u>7.16</u>	<u>1.26</u>	<u>14</u>	

QA/QC Samples Taken: Field Dup #1

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/16/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: P-3 Date: 7/16/08 Time Started: 1520 Field Personnel: RL Becken

Weather Conditions: hot sunny

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	River Pipe Diameter (in)	<u>8</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Three Well Volumes (gals.)			

Notes:

Well Conditions

Well Riser Type (Circle one):	<u>Stainless Steel</u>	Carbon Steel	PVC
Casing Condition:	<u>OK</u>	Repair Required:	
Cap Condition:	<u>OK</u>	Repair Required:	<u>N/A</u>
Paint Condition:	<u>OK</u>	Repair Required:	<u>N/A</u>
Lock Condition:	<u>OK</u>	Repair Required:	
Inner Casing Condition:	<u>OK</u>	Repair Required:	
Surface Seal Condition:	<u>OK</u>	Repair Required:	

Other:

Purge Information

Pumping 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

Water Level After Pumping (TOR ft): 28.92 Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1520 Field Personnel: RL Becken

Measured Water Level (TOR ft.): 28.92

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-3</u>	<u>60.6</u>	<u>7.45</u>	<u>1.70</u>	<u>1.9</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/16/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: P-4 Date: 7/16/08 Time Started: 1505 Field Personnel: RC Becken
Weather Conditions: hot sunny
Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	River Pipe Diameter (in)	<u>10</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Three Well Volumes (gals.)			

Notes:

Well Conditions

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

Purge Information

Pumping 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

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:
Comments:

Sampling Information

Date: <u>7/16/08</u>	Time Sampled: <u>1505</u>	Field Personnel: <u>RC Becken</u>
Measured Water Level (TOR ft.): <u>27.31</u>		
Sampling Method: (Circle one):	Stainless Steel B	Peristaltic Pump
	Teflon Bailer	<u>Polyethylene Bailer</u>
	Other:	

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-4</u>	<u>62.4</u>	<u>7.71</u>	<u>1.31</u>	<u>11.0</u>	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Rich RC Becken Date: 7/16/08

MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

Monitoring Well ID: PW-1 Date: 7/21/08 Time Started: 1500 Field Personnel: _____
 Weather Conditions: Sunny hot humid
 Comments: _____

Initial Readings

Measured Well Bottom (TOR - ft)	River Pipe Diameter (in)	<u>12</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.88	6" = 1.50	8" = 2.60
One Well Volume (gals.)	Three Well Volumes (gals.)			

Notes: _____

Well Conditions

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

Other: _____

Purge Information

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

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

Water Level After Pumping (TOR ft): _____ Calculated 95% Recovery Water Level: _____

Comments: _____

Sampling Information

Date: 7/21/08 Time Sampled: 1500 Field Personnel: RC Becken

Measured Water Level (TOR ft): 24.90

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-1</u>	<u>58.5</u>	<u>7.35</u>	<u>1.18</u>	<u>2.37</u>	

QA/QC Samples Taken: _____

Comments: _____

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/21/08

**MONITORING WELL SAMPLING FIELD FORM
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK**

Monitoring Well ID: PW-3 Date: 7/16/08 Time Started: 1320 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	River Pipe Diameter (in) <u>6</u>		
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 3" = 0.38
Calculated Water Column Height (ft)	(Circle One)	4" = 0.88	<u>6" = 1.50</u> 8" = 2.60
One Well Volume (gals.)	Three Well Volumes (gals.)		

Notes:

Well Conditions

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

Other:

Purge Information

Pumping 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

Water Level After Pumping (TOR ft): Calculated 95% Recovery Water Level:

Comments:

Sampling Information

Date: 7/16/08 Time Sampled: 1320 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 11.95

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

Sample I.D.	Temperature (deg C)	pH	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-3</u>	<u>70.1</u>	<u>7.31</u>	<u>0.87</u>	<u>11.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/16/08

APPENDIX B

LABORATORY DATA REPORTS

ANALYTICAL RESULTS

Prepared for:

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

281-366-2000

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1101078. Samples arrived at the laboratory on Thursday, July 17, 2008. The PO# for this group is 001Q0-0126 and the release number is BARBER.

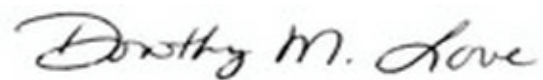
<u>Client Description</u>	<u>Lancaster Labs Number</u>
B-41 Water	5417443
B-9 Water	5417444
B-49 Water	5417445
PW-3 Water	5417446
P-2 Water	5417447
Field Dup #1 Water	5417448
B-19 Water	5417449
B-19 Matrix Spike Water	5417450
B-19 Matrix Spike Dup Water	5417451
B-12 Water	5417452
P-4 Water	5417453
P-3 Water	5417454

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Dorothy M. Love
Group Leader

Lancaster Laboratories Sample No. 5417443 WW Group No. 1101078
B-41 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-41

Collected: 07/16/2008 13:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Reported: 07/28/2008 at 12:41

Discard: 08/28/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2.5 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417443 WW Group No. 1101078
B-41 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-41

Collected: 07/16/2008 13:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/18/2008 23:06	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/18/2008 23:06	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/18/2008 23:06	Sara E Wolf	1

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

Lancaster Laboratories Sample No. 5417444 WW Group No. 1101078
B-9 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-9

Collected: 07/16/2008 13:10 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417444 WW Group No. 1101078
B-9 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-9

Collected: 07/16/2008 13:10 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/18/2008 23:28	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/18/2008 23:28	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/18/2008 23:28	Sara E Wolf	1

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

Lancaster Laboratories Sample No. 5417445 WW Group No. 1101078
B-49 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-49

Collected: 07/16/2008 14:20 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417445 WW Group No. 1101078
B-49 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-49

Collected: 07/16/2008 14:20 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/18/2008 23:51	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/18/2008 23:51	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/18/2008 23:51	Sara E Wolf	1

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

Lancaster Laboratories Sample No. 5417446 WW Group No. 1101078
PW-3 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY PW-3

Collected: 07/16/2008 13:20 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	130.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	8.0	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	5.2	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	770.	8.0	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	630.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417446 WW Group No. 1101078
PW-3 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY PW-3

Collected: 07/16/2008 13:20 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 01:43	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 01:43	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 02:05	Sara E Wolf	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 01:43	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/19/2008 02:05	Sara E Wolf	10

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

Lancaster Laboratories Sample No. 5417447 WW Group No. 1101078
P-2 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY P-2

Collected: 07/16/2008 13:40 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	5.0	25.	ug/l	5
05422	Bromobenzene	108-86-1	N.D.	5.0	25.	ug/l	5
05432	1,3-Dichlorobenzene	541-73-1	N.D.	5.0	25.	ug/l	5
05433	1,4-Dichlorobenzene	106-46-7	N.D.	5.0	25.	ug/l	5
05435	1,2-Dichlorobenzene	95-50-1	N.D.	5.0	25.	ug/l	5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	50.	ug/l	5
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	10.	25.	ug/l	5
05385	Chloromethane	74-87-3	N.D.	5.0	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	390.	5.0	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.0	25.	ug/l	5
05388	Chloroethane	75-00-3	N.D.	5.0	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	11. J	4.0	25.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	6.0 J	4.0	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	120.	5.0	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	2,000.	40.	250.	ug/l	50
05396	Chloroform	67-66-3	N.D.	4.0	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	210.	4.0	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.0	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.0	25.	ug/l	5
05403	Trichloroethene	79-01-6	95.	5.0	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.0	25.	ug/l	5
05405	Dibromomethane	74-95-3	N.D.	5.0	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.0	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.0	25.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.0	25.	ug/l	5
05413	Chlorobenzene	108-90-7	N.D.	4.0	25.	ug/l	5
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	5.0	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.0	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.0	25.	ug/l	5

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

Lancaster Laboratories Sample No. 5417447 WW Group No. 1101078
P-2 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY P-2

Collected: 07/16/2008 13:40 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield (Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	5.0	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.0	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.0	25.	ug/l	5

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 02:28	Sara E Wolf	5
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 02:28	Sara E Wolf	5
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 02:50	Sara E Wolf	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 02:28	Sara E Wolf	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/19/2008 02:50	Sara E Wolf	50

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

Lancaster Laboratories Sample No. 5417448 WW Group No. 1101078
Field Dup #1 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY Field Dup1

Collected: 07/16/2008 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield (Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	5.0	25.	ug/l	5
05422	Bromobenzene	108-86-1	N.D.	5.0	25.	ug/l	5
05432	1,3-Dichlorobenzene	541-73-1	N.D.	5.0	25.	ug/l	5
05433	1,4-Dichlorobenzene	106-46-7	N.D.	5.0	25.	ug/l	5
05435	1,2-Dichlorobenzene	95-50-1	N.D.	5.0	25.	ug/l	5
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10.	50.	ug/l	5
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	10.	25.	ug/l	5
05385	Chloromethane	74-87-3	N.D.	5.0	25.	ug/l	5
05386	Vinyl Chloride	75-01-4	450.	5.0	25.	ug/l	5
05387	Bromomethane	74-83-9	N.D.	5.0	25.	ug/l	5
05388	Chloroethane	75-00-3	N.D.	5.0	25.	ug/l	5
05389	Trichlorofluoromethane	75-69-4	N.D.	10.	25.	ug/l	5
05390	1,1-Dichloroethene	75-35-4	12. J	4.0	25.	ug/l	5
05391	Methylene Chloride	75-09-2	N.D.	10.	25.	ug/l	5
05392	trans-1,2-Dichloroethene	156-60-5	6.8 J	4.0	25.	ug/l	5
05393	1,1-Dichloroethane	75-34-3	130.	5.0	25.	ug/l	5
05395	cis-1,2-Dichloroethene	156-59-2	2,100.	40.	250.	ug/l	50
05396	Chloroform	67-66-3	N.D.	4.0	25.	ug/l	5
05398	1,1,1-Trichloroethane	71-55-6	230.	4.0	25.	ug/l	5
05399	Carbon Tetrachloride	56-23-5	N.D.	5.0	25.	ug/l	5
05402	1,2-Dichloroethane	107-06-2	N.D.	5.0	25.	ug/l	5
05403	Trichloroethene	79-01-6	100.	5.0	25.	ug/l	5
05404	1,2-Dichloropropane	78-87-5	N.D.	5.0	25.	ug/l	5
05405	Dibromomethane	74-95-3	N.D.	5.0	25.	ug/l	5
05406	Bromodichloromethane	75-27-4	N.D.	5.0	25.	ug/l	5
05408	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25.	ug/l	5
05409	Tetrachloroethene	127-18-4	N.D.	4.0	25.	ug/l	5
05411	Dibromochloromethane	124-48-1	N.D.	5.0	25.	ug/l	5
05413	Chlorobenzene	108-90-7	N.D.	4.0	25.	ug/l	5
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	5.0	25.	ug/l	5
05419	Bromoform	75-25-2	N.D.	5.0	25.	ug/l	5
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.0	25.	ug/l	5

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

Lancaster Laboratories Sample No. 5417448 WW Group No. 1101078
Field Dup #1 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY Field Dup1

Collected: 07/16/2008 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40
Reported: 07/28/2008 at 12:41
Discard: 08/28/2008

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

CDSFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	5.0	25.	ug/l	5
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.0	25.	ug/l	5
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.0	25.	ug/l	5

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 03:13	Sara E Wolf	5
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 03:13	Sara E Wolf	5
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 03:35	Sara E Wolf	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 03:13	Sara E Wolf	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/19/2008 03:35	Sara E Wolf	50

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

Lancaster Laboratories Sample No. 5417449 WW Group No. 1101078
B-19 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-19

Collected: 07/16/2008 14:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Reported: 07/28/2008 at 12:41

Discard: 08/28/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2.5 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417449 WW Group No. 1101078
B-19 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-19

Collected: 07/16/2008 14:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield (Parsons-NY)

Reported: 07/28/2008 at 12:41

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 00:13	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 00:13	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 00:13	Sara E Wolf	1

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

Lancaster Laboratories Sample No. 5417450 WW Group No. 1101078
B-19 Matrix Spike Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-19

Collected: 07/16/2008 14:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40
Reported: 07/28/2008 at 12:42
Discard: 08/28/2008

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

CDS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	19.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	19.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	20.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	20.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	20.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	15.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	28.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	24.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	25.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	13.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	19.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	21.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	23.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	21.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	20.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	24.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	20.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	20.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	19.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	21.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	21.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	20.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	20.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	21.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	21.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	20.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	19.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	21.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417450 WW Group No. 1101078
B-19 Matrix Spike Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-19

Collected: 07/16/2008 14:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40
Reported: 07/28/2008 at 12:42
Discard: 08/28/2008

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

CDS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	20.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	18.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 00:36	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 00:36	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 00:36	Sara E Wolf	1

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

Lancaster Laboratories Sample No. 5417451 WW Group No. 1101078

B-19 Matrix Spike Dup Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-19

Collected: 07/16/2008 14:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40
Reported: 07/28/2008 at 12:42
Discard: 08/28/2008

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

CDS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	19.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	19.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	20.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	20.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	20.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	16.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	28.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	23.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	25.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	13.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	18.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	21.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	23.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	21.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	20.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	25.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	20.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	20.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	19.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	21.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	21.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	20.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	20.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	21.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	21.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	20.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	18.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	21.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417451 WW Group No. 1101078
B-19 Matrix Spike Dup Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-19

Collected: 07/16/2008 14:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40
Reported: 07/28/2008 at 12:42
Discard: 08/28/2008

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

CDS19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	19.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	18.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 00:58	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 00:58	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 00:58	Sara E Wolf	1

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

Lancaster Laboratories Sample No. 5417452 WW Group No. 1101078
B-12 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-12

Collected: 07/16/2008 15:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:42

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	2.0	10.	ug/l	2
05422	Bromobenzene	108-86-1	N.D.	2.0	10.	ug/l	2
05432	1,3-Dichlorobenzene	541-73-1	N.D.	2.0	10.	ug/l	2
05433	1,4-Dichlorobenzene	106-46-7	N.D.	2.0	10.	ug/l	2
05435	1,2-Dichlorobenzene	95-50-1	N.D.	2.0	10.	ug/l	2
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4.0	20.	ug/l	2
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	4.0	10.	ug/l	2
05385	Chloromethane	74-87-3	N.D.	2.0	10.	ug/l	2
05386	Vinyl Chloride	75-01-4	17.	2.0	10.	ug/l	2
05387	Bromomethane	74-83-9	N.D.	2.0	10.	ug/l	2
05388	Chloroethane	75-00-3	N.D.	2.0	10.	ug/l	2
05389	Trichlorofluoromethane	75-69-4	N.D.	4.0	10.	ug/l	2
05390	1,1-Dichloroethene	75-35-4	13.	1.6	10.	ug/l	2
05391	Methylene Chloride	75-09-2	N.D.	4.0	10.	ug/l	2
05392	trans-1,2-Dichloroethene	156-60-5	7.8 J	1.6	10.	ug/l	2
05393	1,1-Dichloroethane	75-34-3	69.	2.0	10.	ug/l	2
05395	cis-1,2-Dichloroethene	156-59-2	560.	16.	100.	ug/l	20
05396	Chloroform	67-66-3	N.D.	1.6	10.	ug/l	2
05398	1,1,1-Trichloroethane	71-55-6	110.	1.6	10.	ug/l	2
05399	Carbon Tetrachloride	56-23-5	N.D.	2.0	10.	ug/l	2
05402	1,2-Dichloroethane	107-06-2	N.D.	2.0	10.	ug/l	2
05403	Trichloroethene	79-01-6	1,600.	20.	100.	ug/l	20
05404	1,2-Dichloropropane	78-87-5	N.D.	2.0	10.	ug/l	2
05405	Dibromomethane	74-95-3	N.D.	2.0	10.	ug/l	2
05406	Bromodichloromethane	75-27-4	N.D.	2.0	10.	ug/l	2
05408	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10.	ug/l	2
05409	Tetrachloroethene	127-18-4	N.D.	1.6	10.	ug/l	2
05411	Dibromochloromethane	124-48-1	N.D.	2.0	10.	ug/l	2
05413	Chlorobenzene	108-90-7	N.D.	1.6	10.	ug/l	2
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2.0	10.	ug/l	2
05419	Bromoform	75-25-2	N.D.	2.0	10.	ug/l	2
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.0	10.	ug/l	2

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

Lancaster Laboratories Sample No. 5417452 WW Group No. 1101078
B-12 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY B-12

Collected: 07/16/2008 15:00 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:42

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDS12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05423	1,2,3-Trichloropropane	96-18-4	N.D.	2.0	10.	ug/l	2
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.0	10.	ug/l	2
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.0	10.	ug/l	2

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 03:57	Sara E Wolf	2
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 03:57	Sara E Wolf	2
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 04:19	Sara E Wolf	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 03:57	Sara E Wolf	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/19/2008 04:19	Sara E Wolf	20

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

Lancaster Laboratories Sample No. 5417453 WW Group No. 1101078
P-4 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY P-4

Collected: 07/16/2008 15:05 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield (Parsons-NY)

Reported: 07/28/2008 at 12:42

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	3.0 J	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	7.0	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	9.6	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	470.	8.0	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	6.3	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	610.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417453 WW Group No. 1101078
P-4 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY P-4

Collected: 07/16/2008 15:05 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield(Parsons-NY)

Reported: 07/28/2008 at 12:42

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 04:42	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 04:42	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 05:04	Sara E Wolf	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 04:42	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/19/2008 05:04	Sara E Wolf	10

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

Lancaster Laboratories Sample No. 5417454 WW Group No. 1101078
P-3 Water
BP Sanborn COC: 181734
2040 Cory Dr.-Sanborn, NY P-3

Collected: 07/16/2008 15:20 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield (Parsons-NY)

Reported: 07/28/2008 at 12:42

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether is an acid labile compound and may not be recovered in an acid preserved sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	3.6 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	92.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5417454 WW Group No. 1101078

P-3 Water

BP Sanborn COC: 181734

2040 Cory Dr.-Sanborn, NY P-3

Collected: 07/16/2008 15:20 by RCB

Account Number: 12495

Submitted: 07/17/2008 09:40

Atlantic Richfield (Parsons-NY)

Reported: 07/28/2008 at 12:42

BP Corporation

Discard: 08/28/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/19/2008 01:20	Sara E Wolf	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/19/2008 01:20	Sara E Wolf	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/19/2008 01:20	Sara E Wolf	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/08 at 12:42 PM

Group Number: 1101078

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: L082001AA Sample number(s): 5417443-5417454									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	101		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	123		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	99		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	100		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	54		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	71		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	94		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	95		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	98		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	94		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	95		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	89		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	87		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	92		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	98		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	100		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	98		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	96		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	95		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	95		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	102		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	95		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	102		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	86		51-142		

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: L082001AA Sample number(s): 5417443-5417454 UNSPK: 5417449									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/08 at 12:42 PM

Group Number: 1101078

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzyl Chloride	93	95	65-119	2	30				
Dichlorodifluoromethane	142	140	37-181	2	30				
Chloromethane	119	115	49-153	3	30				
Vinyl Chloride	125	124	59-143	1	30				
Bromomethane	66	66	54-140	1	30				
Chloroethane	93	89	60-140	5	30				
Trichlorofluoromethane	106	106	68-163	0	30				
1,1-Dichloroethene	113	115	87-145	2	30				
Methylene Chloride	101	101	79-133	1	30				
trans-1,2-Dichloroethene	105	105	82-133	0	30				
1,1-Dichloroethane	101	101	85-135	0	30				
cis-1,2-Dichloroethene	109	110	83-126	1	30				
Chloroform	102	101	83-139	1	30				
1,1,1-Trichloroethane	99	100	81-142	1	30				
Carbon Tetrachloride	96	96	82-149	0	30				
1,2-Dichloroethane	96	95	70-143	1	30				
Trichloroethene	104	104	83-136	1	30				
1,2-Dichloropropane	104	105	83-129	2	30				
Dibromomethane	99	99	82-128	0	30				
Bromodichloromethane	98	98	80-137	0	30				
1,1,2-Trichloroethane	106	104	77-125	2	30				
Tetrachloroethene	103	103	78-133	0	30				
Dibromochloromethane	96	96	80-128	0	30				
Chlorobenzene	106	105	83-120	1	30				
1,1,1,2-Tetrachloroethane	101	99	83-119	1	30				
Bromoform	93	92	64-119	1	30				
1,1,2,2-Tetrachloroethane	105	104	73-121	1	30				
Bromobenzene	94	95	83-121	1	30				
1,2,3-Trichloropropane	99	97	73-125	2	30				
1,3-Dichlorobenzene	98	98	79-123	0	30				
1,4-Dichlorobenzene	99	98	81-122	1	30				
1,2-Dichlorobenzene	100	99	82-117	0	30				
trans-1,3-Dichloropropene	89	91	77-123	1	30				
cis-1,3-Dichloropropene	89	91	80-126	2	30				
2-Chloroethyl Vinyl Ether	75	80	1-156	6	30				

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: L082001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5417443	99	97	93	81
5417444	98	98	93	81
5417445	98	98	93	81
5417446	97	97	95	81
5417447	100	99	94	81

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/08 at 12:42 PM

Group Number: 1101078

Surrogate Quality Control

5417448	100	99	94	81
5417449	100	97	92	80
5417450	91	95	101	91
5417451	90	94	100	90
5417452	101	97	96	80
5417453	101	98	97	80
5417454	97	95	93	81
Blank	95	95	94	83
LCS	89	92	98	90
MS	91	95	101	91
MSD	90	94	100	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.

Project Name: BP Sanborn
LLI Group #: 1101078

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: 5417443, 5417444, 5417445, 5417446, 5417447, 5417448, 5417449, 5417450, 5417451, 5417452, 5417453, 5417454

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

acct#12495 Cp# 1101078

Sample#5417443-55
181734

Page 1 of 2

**Atlantic
Richfield
Company**

A BP affiliated company

Chain of Custody RecordProject Name: BP Sanborn

BP BU/AR Region/Enfos Segment: _____

State or Lead Regulatory Agency: NYS DECRequested Due Date (mm/dd/yy): 14 JAN

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Laboratories</u>	BP/AR Facility No.: _____	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr., Sanborn, NY 14132</u>	Address: <u>46 LA Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long: _____	Consultant/Contractor Project No.: <u>444183.01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00190-0126</u>	Tele/Fax: <u>(716) 462-4990</u>
Address: <u>4850 E 49th St. NBC3</u> <u>Cuyahoga Heights, OH 44125</u>	Provision or OOC (circle one) <u>PROVISION</u>	Report Type & QC Level: _____
Tele/Fax: <u>(216) 271-8038</u>	Phase/WBS: <u>40</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task: <u>03</u>	Invoice to: Consultant or <u>BP or Atlantic Richfield Co.</u> (circle one)
	Cost Element: <u>01</u>	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis								Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol									
1	B-41	1300	7/16/08	X				3	X					X								low
2	B-9	1310		X				3	X					X								low
3	~~B-41~~ ~~B-42~~ PCB			X				3	X					X								low
4	B-49	1420		X				3	X					X								low
5	PW-3	1320		X				3	X					X								high
6	P-2	1340		X				3	X					X								high
7	Field Dup #1			X				3	X					X								low
8	B-19	1400		X				3	X					X								low
9	B-19 MS	1400		X				3	X					X								low
10	B-19 MSD	1400		X				3	X					X								low

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken</u>	Date: <u>7/16/08</u>	Time: <u>09:25</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/16/08</u>	Time: <u>16:45</u>
Sampler's Company: <u>D&M Enterprises Inc.</u>						
Shipment Date: <u>7/16/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>55979902</u>						
Special Instructions:						

Custody Seals In Place: (Yes) No | Temp Blank: (Yes) No | Cooler Temp on Receipt: 2.3 °F/C | Trip Blank: (Yes) No | MS/MSD Sample Submitted: (Yes) No

Laboratory Copy

BP COC Rev. 5 10/11/2006

acct # 12495 Cp # 1101078

Sample # 5417443-55
181735

Page 2 of 2

**Atlantic
Richfield
Company**

A BP affiliated company

Chain of Custody Record

Project Name:

BP, Sanborn

BP BU/AR Region/Enfos Segment:

State or Lead Regulatory Agency:

NYS DEC

Requested Due Date (mm/dd/yy):

14 JAT

On-site Time:

Temp:

Off-site Time:

Temp:

Sky Conditions:

Meteorological Events:

Wind Speed:

Direction:

Lab Name: <u>Lancaster Laboratories</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sanborn, NY</u>	Address: <u>70 LA Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>44483-01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00190-0126</u>	Tele/Fax: <u>(716) 407-4990</u>
Address: <u>4850 E 49th St. MBC 3</u> <u>Cuyahoga Heights, OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8038</u>	Phase/WBS:	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task:	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element:	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											
1	B-12	1500	7/16/08	X				3	X					X										low
2	P-4	1505	1	X				3	X					X										med
3	P-3	1520	1	X				3	X					X										med
4																								
5																								
6																								
7																								
8																								
9																								
10																								

Sampler's Name: <u>Richard C. Becker</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Dan Enterprises Inc.</u>	<u>Richard C. Becker</u>	<u>7/16/08</u>	<u>1645</u>			
Shipment Date: <u>7/16/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>85979902</u>						
Special Instructions:						
Custody Seals In Place ☒ Yes ☐ No	Temp Blank: ☒ Yes ☐ No	Cooler Temp on Receipt: <u>2.3°F</u>	Trip Blank: ☒ Yes ☐ No	MS/MSD Sample Submitted: ☒ Yes ☐ No		

Laboratory Copy

BP COC Rev. 5 10/11/2006

Environmental Sample Administration Receipt Documentation Log

Client/Project: BDP - Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 7.17.08

Custody Seal Present: YES NO

Time of Receipt: 0940

Custody Seal Intact: YES NO NA

Source Code: 50-1

Package: Chilled Not Chilled

Unpacker Emp. No.: 2218

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	0429983	2.3	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	7.17.08	1406	Unpacking to storage
<i>[Signature]</i>	7/17/08	1437	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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ANALYTICAL RESULTS

Prepared for:

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

281-366-2000

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1101280. Samples arrived at the laboratory on Friday, July 18, 2008.
The PO# for this group is 001Q0-0126 and the release number is BARBER.

Client Description

B-62 Water
B-63 Water
B-64 Water
B-65 Water
B-66 Water
B-67 Water
B-16 Water

Lancaster Labs Number

5418423
5418424
5418425
5418426
5418427
5418428
5418429

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Marla S. Lord
Senior Specialist

Lancaster Laboratories Sample No. 5418423 WW Group No. 1101280
B-62 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-62

Collected: 07/17/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418423 WW Group No. 1101280
B-62 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-62

Collected: 07/17/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 19:01	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 19:01	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 19:01	Kenneth L Boley Jr	1

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

Lancaster Laboratories Sample No. 5418424 WW Group No. 1101280
B-63 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-63

Collected: 07/17/2008 12:25 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB63

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418424 WW Group No. 1101280
B-63 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-63

Collected: 07/17/2008 12:25 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB63

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 19:22	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 19:22	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 19:22	Kenneth L Boley Jr	1

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

Lancaster Laboratories Sample No. 5418425 WW Group No. 1101280
B-64 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-64

Collected: 07/17/2008 11:30 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB64

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418425 WW Group No. 1101280
B-64 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-64

Collected: 07/17/2008 11:30 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB64

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 19:43	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 19:43	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 19:43	Kenneth L Boley Jr	1

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

Lancaster Laboratories Sample No. 5418426 WW Group No. 1101280
B-65 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-65

Collected: 07/17/2008 10:40 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418426 WW Group No. 1101280
B-65 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-65

Collected: 07/17/2008 10:40 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 20:04	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 20:04	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 20:04	Kenneth L Boley Jr	1

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

Lancaster Laboratories Sample No. 5418427 WW Group No. 1101280
B-66 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-66

Collected: 07/17/2008 09:25 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB66

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418427 WW Group No. 1101280
B-66 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-66

Collected: 07/17/2008 09:25 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB66

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 21:06	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 21:06	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 21:06	Kenneth L Boley Jr	1

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

Lancaster Laboratories Sample No. 5418428 WW Group No. 1101280
B-67 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-67

Collected: 07/17/2008 10:00 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB67

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418428 WW Group No. 1101280
B-67 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-67

Collected: 07/17/2008 10:00 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB67

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 21:27	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 21:27	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 21:27	Kenneth L Boley Jr	1

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

Lancaster Laboratories Sample No. 5418429 WW Group No. 1101280
B-16 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-16

Collected: 07/17/2008 14:05 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5418429 WW Group No. 1101280
B-16 Water
BP Sanborn COC: 181732
2040 Cory Dr - Sanborn, NY B-16

Collected: 07/17/2008 14:05 by RCB

Account Number: 12495

Submitted: 07/18/2008 10:10

Atlantic Richfield (Parsons-NY)

Reported: 07/29/2008 at 16:06

BP Corporation

Discard: 08/29/2008

501 WestLake Park Blvd

Houston TX 77079

CSB16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/21/2008 21:48	Kenneth L Boley Jr	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/21/2008 21:48	Kenneth L Boley Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/21/2008 21:48	Kenneth L Boley Jr	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/29/08 at 04:06 PM

Group Number: 1101280

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: Y082031AB Sample number(s): 5418423-5418429									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	90		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	113		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	109		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	107		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	108		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	98		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	92		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	106		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	106		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	93		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	88		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	97		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	89		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	96		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	85		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	83		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	92		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	91		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	92		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	89		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	96		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	91		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	95		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	90		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	88		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	92		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	92		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	91		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	88		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	89		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	83		51-142		

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: Y082031AB Sample number(s): 5418423-5418429 UNSPK: P418409									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/29/08 at 04:06 PM

Group Number: 1101280

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzyl Chloride	97	95	65-119	2	30				
Dichlorodifluoromethane	144	151	37-181	5	30				
Chloromethane	129	127	49-153	2	30				
Vinyl Chloride	126	125	59-143	1	30				
Bromomethane	116	114	54-140	2	30				
Chloroethane	108	106	60-140	3	30				
Trichlorofluoromethane	109	110	68-163	1	30				
1,1-Dichloroethene	118	118	87-145	1	30				
Methylene Chloride	112	108	79-133	3	30				
trans-1,2-Dichloroethene	105	102	82-133	3	30				
1,1-Dichloroethane	98	94	85-135	4	30				
cis-1,2-Dichloroethene	106	104	83-126	2	30				
Chloroform	95	94	83-139	1	30				
1,1,1-Trichloroethane	109	108	81-142	1	30				
Carbon Tetrachloride	99	97	82-149	2	30				
1,2-Dichloroethane	89	86	70-143	4	30				
Trichloroethene	101	102	83-136	0	30				
1,2-Dichloropropane	98	97	83-129	1	30				
Dibromomethane	97	97	82-128	1	30				
Bromodichloromethane	93	92	80-137	1	30				
1,1,2-Trichloroethane	98	95	77-125	2	30				
Tetrachloroethene	104	103	78-133	0	30				
Dibromochloromethane	93	91	80-128	2	30				
Chlorobenzene	103	101	83-120	1	30				
1,1,1,2-Tetrachloroethane	98	96	83-119	1	30				
Bromoform	90	88	64-119	2	30				
1,1,2,2-Tetrachloroethane	93	93	73-121	0	30				
Bromobenzene	100	99	83-121	1	30				
1,2,3-Trichloropropane	96	94	73-125	2	30				
1,3-Dichlorobenzene	100	98	79-123	2	30				
1,4-Dichlorobenzene	99	100	81-122	1	30				
1,2-Dichlorobenzene	99	100	82-117	1	30				
trans-1,3-Dichloropropene	91	89	77-123	3	30				
cis-1,3-Dichloropropene	96	92	80-126	4	30				
2-Chloroethyl Vinyl Ether	0*	0*	1-156	0	30				

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082031AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5418423	91	92	91	86
5418424	91	94	90	88
5418425	91	92	91	84
5418426	91	92	90	85
5418427	91	94	90	87

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/29/08 at 04:06 PM

Group Number: 1101280

Surrogate Quality Control

5418428	92	94	89	85
5418429	92	93	90	86
Blank	91	93	92	87
LCS	91	90	93	89
MS	89	90	92	89
MSD	91	90	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 #: 1101280

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 #: Y082031AB (Sample number(s): 5418423-5418429 UNSPK: P418409)

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: 5418423, 5418424, 5418425, 5418426, 5418427, 5418428, 5418429

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

Atlantic Richfield Company



A BP affiliated company

Acct # 12495
Grp # 1101280

Sample # 5418423-30
181732

Page L of 1

Chain of Custody Record

Project Name: BP Sanborn

BP BU/AR Region/Enfos Segment: _____

State or Lead Regulatory Agency: _____

Requested Due Date (mm/dd/yy): 14 TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Laboratories</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, Pa 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr Sanborn, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>444/83-01035</u>
Tele/Fax: <u>717 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00190-0126</u>	Tele/Fax: <u>716 407-4990</u>
Address: <u>4850 E 49th St. MRC3</u> <u>Cuyahoga Hts OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8038</u>	Phase/WBS:	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task:	Invoice to: Consultant or <u>BP or Atlantic Richfield Co.</u> (circle one)
	Cost Element:	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											
1	B-62		7/11/08	X				3	X															low coll time 1330
2	B-63							3																low coll time 1225
3	B-64	1130						3																low Both per George
4	B-65	1040						3																low 7/11/08
5	B-66	0925						3																low
6	B-67	1200	X	X				3	X															low
7	B-16	1405	X	X				3	X															low
8																								
9																								
10																								

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>Ort Enterprises Inc.</u>	<u>[Signature]</u>	<u>7/15/08</u>	<u>09:10</u>	<u>[Signature]</u>	<u>7/11/08</u>	<u>1845</u>
Shipment Date: <u>7/12/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>5597702 / 864864814276</u>						

Special Instructions: _____

Custody Seals In Place: <u>Yes</u> / No	Temp Blank: <u>Yes</u> / No	Cooler Temp on Receipt: <u>22.2</u> °C	Trip Blank: <u>Yes</u> / No	MS/MSD Sample Submitted: <u>Yes</u> / No

Laboratory Copy

BP COC Rev. 5 10/11/2006

Environmental Sample Administration Receipt Documentation Log

Client/Project: Atlantic Richfield Shipping Container Sealed: YES NO
 Date of Receipt: 7-18-08 Custody Seal Present: YES NO
 Time of Receipt: 1010 Custody Seal Intact: YES NO NA
 Source Code: 50-1 Package: Chilled Not Chilled
 Unpacker Emp. No.: 2132

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	2.2°	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Shirley Mapp</u>	<u>7-18-08</u>	<u>1331</u>	Unpacking / to storage
<u>Kristin Zeigh</u>	<u>7-18-08</u>	<u>1400</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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ANALYTICAL RESULTS

Prepared 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

SAMPLE GROUP

The sample group for this submittal is 1101714. Samples arrived at the laboratory on Tuesday, July 22, 2008. The PO# for this group is 001Q0-0126 and the release number is BARBER.

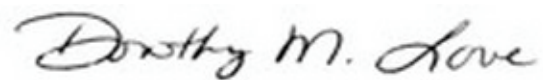
<u>Client Description</u>	<u>Lancaster Labs Number</u>
B-59 Water	5420892
B-59 Matrix Spike Water	5420893
B-59 Matrix Spike Dup Water	5420894
B-60 Water	5420895
B-61 Water	5420896
B-15 Water	5420897
B-14 Water	5420898
B-21 Water	5420899
B-22 Water	5420900
B-28 Water	5420901
Field Dup #2 Water	5420902
PW-1 Water	5420903

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Dorothy M. Love
Group Leader

Lancaster Laboratories Sample No. 5420892 WW Group No. 1101714
B-59 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-59

Collected: 07/21/2008 09:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.80 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	1.1 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420892 WW Group No. 1101714
B-59 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-59

Collected: 07/21/2008 09:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 20:41	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 20:41	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 20:41	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420893 WW Group No. 1101714

B-59 Matrix Spike Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-59

Collected: 07/21/2008 09:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30
Reported: 07/31/2008 at 00:22
Discard: 08/31/2008

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

CDS59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	18.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	20.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	19.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	20.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	19.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	19.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	30.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	26.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	27.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	25.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	24.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	21.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	24.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	21.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	22.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	19.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	22.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	21.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	19.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	20.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	18.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	19.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420893 WW Group No. 1101714

B-59 Matrix Spike Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-59

Collected: 07/21/2008 09:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30
 Reported: 07/31/2008 at 00:22
 Discard: 08/31/2008

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

CDS59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	19.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	19.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	20.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 21:02	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 21:02	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 21:02	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420894 WW Group No. 1101714

B-59 Matrix Spike Dup Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-59

Collected: 07/21/2008 09:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30
Reported: 07/31/2008 at 00:22
Discard: 08/31/2008

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

CDS59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	19.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	20.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	20.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	20.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	20.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	19.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	29.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	26.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	27.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	25.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	23.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	21.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	24.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	22.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	22.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	19.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	22.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	20.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	19.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	19.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	19.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	20.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	19.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420894 WW Group No. 1101714

B-59 Matrix Spike Dup Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-59

Collected: 07/21/2008 09:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30
 Reported: 07/31/2008 at 00:22
 Discard: 08/31/2008

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

CDS59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	19.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	19.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	19.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 21:22	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 21:22	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 21:22	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420895 WW Group No. 1101714
B-60 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-60

Collected: 07/21/2008 10:45 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS60

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420895 WW Group No. 1101714

B-60 Water

BP Sanborn COC: 181733

2040 Cory Dr.-Sanborn, NY B-60

Collected: 07/21/2008 10:45 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Reported: 07/31/2008 at 00:22

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS60

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 21:43	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 21:43	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 21:43	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420896 WW Group No. 1101714
B-61 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-61

Collected: 07/21/2008 11:15 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS61

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420896 WW Group No. 1101714

B-61 Water

BP Sanborn COC: 181733

2040 Cory Dr.-Sanborn, NY B-61

Collected: 07/21/2008 11:15 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Reported: 07/31/2008 at 00:22

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS61

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 22:04	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 22:04	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 22:04	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420897 WW Group No. 1101714
B-15 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-15

Collected: 07/21/2008 11:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420897 WW Group No. 1101714
B-15 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-15

Collected: 07/21/2008 11:50 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 22:25	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 22:25	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 22:25	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420898 WW Group No. 1101714
B-14 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-14

Collected: 07/21/2008 12:25 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Reported: 07/31/2008 at 00:22

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.1 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	130.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	300.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	3.9 J	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420898 WW Group No. 1101714

B-14 Water

BP Sanborn COC: 181733

2040 Cory Dr.-Sanborn, NY B-14

Collected: 07/21/2008 12:25 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Reported: 07/31/2008 at 00:22

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS14

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 22:46	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 22:46	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 22:46	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420899 WW Group No. 1101714
B-21 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-21

Collected: 07/21/2008 14:45 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Reported: 07/31/2008 at 00:22

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420899 WW Group No. 1101714
B-21 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-21

Collected: 07/21/2008 14:45 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 23:28	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 23:28	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 23:28	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420900 WW Group No. 1101714
B-22 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-22

Collected: 07/21/2008 14:10 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	1.2 J	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	24.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	4.9 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420900 WW Group No. 1101714
B-22 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-22

Collected: 07/21/2008 14:10 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/23/2008 23:49	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/23/2008 23:49	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/23/2008 23:49	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420901 WW Group No. 1101714
B-28 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY B-28

Collected: 07/21/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420901 WW Group No. 1101714

B-28 Water

BP Sanborn COC: 181733

2040 Cory Dr.-Sanborn, NY B-28

Collected: 07/21/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/24/2008 00:10	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/24/2008 00:10	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/24/2008 00:10	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420902 WW Group No. 1101714
Field Dup #2 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY Fld Dup #2

Collected: 07/21/2008 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS DP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420902 WW Group No. 1101714

Field Dup #2 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY Fld Dup #2

Collected: 07/21/2008 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30
Reported: 07/31/2008 at 00:22
Discard: 08/31/2008

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

CDS DP

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/24/2008 00:31	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/24/2008 00:31	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/24/2008 00:31	Holly Berry	1

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

Lancaster Laboratories Sample No. 5420903 WW Group No. 1101714
PW-1 Water
BP Sanborn COC: 181733
2040 Cory Dr.-Sanborn, NY PW-1

Collected: 07/21/2008 15:00 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	7.5	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.6 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	1.3 J	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	120.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1,500.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5420903 WW Group No. 1101714

PW-1 Water

BP Sanborn COC: 181733

2040 Cory Dr.-Sanborn, NY PW-1

Collected: 07/21/2008 15:00 by RCB

Account Number: 12495

Submitted: 07/22/2008 10:30

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:22

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDSP1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1
The pH of the GC/MS volatile fraction was pH = 7 at the time of analysis.							

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/24/2008 00:52	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/24/2008 00:52	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 04:11	Matthew S Woods	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/24/2008 00:52	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/25/2008 04:11	Matthew S Woods	10

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 12:22 AM

Group Number: 1101714

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: Y082052AA Sample number(s): 5420892-5420903									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	92		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	125		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	121		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	115		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	115		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	109		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	95		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	109		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	108		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	97		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	89		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	90		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	99		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	89		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	85		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	95		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	93		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	95		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	89		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	95		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	99		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	92		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	97		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	92		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	91		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	91		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	94		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	96		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	88		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	97		51-142		
Batch number: Y082071AA Sample number(s): 5420903									
Trichloroethene	N.D.	1.0	5.0	ug/l	96		87-117		

Sample Matrix Quality Control

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 12:22 AM

Group Number: 1101714

<u>Analysis Name</u>	<u>%REC</u>	<u>%REC</u>	<u>Limits</u>	<u>RPD</u>	<u>MAX</u>	<u>Conc</u>	<u>Conc</u>	<u>RPD</u>	<u>Max</u>
Batch number: Y082052AA Sample number(s): 5420892-5420903 UNSPK: 5420892									
Benzyl Chloride	92	94	65-119	2	30				
Dichlorodifluoromethane	149	147	37-181	1	30				
Chloromethane	131	129	49-153	2	30				
Vinyl Chloride	133	133	59-143	0	30				
Bromomethane	125	125	54-140	0	30				
Chloroethane	119	117	60-140	2	30				
Trichlorofluoromethane	104	103	68-163	1	30				
1,1-Dichloroethene	121	120	87-145	2	30				
Methylene Chloride	107	108	79-133	1	30				
trans-1,2-Dichloroethene	104	104	82-133	0	30				
1,1-Dichloroethane	97	96	85-135	1	30				
cis-1,2-Dichloroethene	105	103	83-126	2	30				
Chloroform	96	94	83-139	1	30				
1,1,1-Trichloroethane	108	110	81-142	2	30				
Carbon Tetrachloride	97	96	82-149	1	30				
1,2-Dichloroethane	87	87	70-143	0	30				
Trichloroethene	103	102	83-136	0	30				
1,2-Dichloropropane	94	95	83-129	1	30				
Dibromomethane	98	94	82-128	4	30				
Bromodichloromethane	92	93	80-137	2	30				
1,1,2-Trichloroethane	97	100	77-125	3	30				
Tetrachloroethene	103	103	78-133	0	30				
Dibromochloromethane	95	96	80-128	2	30				
Chlorobenzene	100	101	83-120	1	30				
1,1,1,2-Tetrachloroethane	94	96	83-119	3	30				
Bromoform	94	95	64-119	1	30				
1,1,2,2-Tetrachloroethane	93	94	73-121	0	30				
Bromobenzene	98	101	83-121	3	30				
1,2,3-Trichloropropane	98	96	73-125	2	30				
1,3-Dichlorobenzene	97	99	79-123	2	30				
1,4-Dichlorobenzene	98	99	81-122	1	30				
1,2-Dichlorobenzene	97	98	82-117	1	30				
trans-1,3-Dichloropropene	90	92	77-123	1	30				
cis-1,3-Dichloropropene	94	94	80-126	0	30				
2-Chloroethyl Vinyl Ether	93	93	1-156	1	30				
Batch number: Y082071AA Sample number(s): 5420903 UNSPK: P422165									
Trichloroethene	98	97	83-136	1	30				

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082052AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5420892	91	94	91	84
5420893	90	95	92	88
5420894	91	93	93	89
5420895	91	94	92	86
5420896	91	96	91	87
5420897	91	92	91	84

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 12:22 AM

Group Number: 1101714

Surrogate Quality Control

5420898	92	93	90	85
5420899	93	95	90	85
5420900	91	94	90	85
5420901	93	93	90	84
5420902	91	94	90	85
5420903	91	94	92	85
Blank	91	95	91	86
LCS	89	93	92	91
MS	90	95	92	88
MSD	91	93	93	89

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	93	95	90	84
LCS	90	91	92	89
MS	91	91	92	89
MSD	92	92	93	88

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

*- Outside of specification

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

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

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

Project Name: BP Sanborn
LLI Group #: 1101714

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: 5420892, 5420893, 5420894, 5420895, 5420896, 5420897, 5420898, 5420899, 5420900, 5420901, 5420902, 5420903

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

Chain of Custody Record

Project Name: BP Sanborn
 BP BU/AR Region/Enfos Segment: _____
 State or Lead Regulatory Agency: NYS DEC
 Requested Due Date (mm/dd/yy): 14 TAT

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Labs</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sanborn, NY.</u>	Address: <u>46 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>444183.01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>001 QD-0126</u>	Tele/Fax: <u>(716) 407-4990</u>
Address: <u>4850 E 49th St. NBC 3</u> <u>Cuyahoga Hts, OH 44135</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8038</u>	Phase/WBS: <u>0+M 40</u>	E-mail EDD To: <u>Lorriane Weber</u>
	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or BP or Atlantic Richfield, Co. (circle one)
	Cost Element: <u>contractor labor 01</u>	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis								Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol									
1	B-59	950	7/21/08		X			3	X					X								Low
2	B-59 MS	950						3														Low
3	B-59 MSD	950						3														Low
4	B-60	1045						3														Low
5	B-61	1115						3														Low
6	B-15	1150						3														Low
7	B-14	1225						3														Low
8	B-21	1445						3														Low
9	B-22	1410						3														High
10	B-28	1330			X			3	X					X								Low

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken</u>	Date: <u>7/21/08</u>	Time: <u>1920</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7-22-08</u>	Time: <u>1030</u>
Sampler's Company: <u>OTM Enterprises Inc.</u>						
Shipment Date: <u>7/21/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864808432</u>						

Special Instructions: _____

Custody Seals In Place: <u>Yes</u> / <u>No</u>	Temp Blank: <u>Yes</u> / <u>No</u>	Cooler Temp on Receipt: <u>3.9 F</u>	Trip Blank: <u>Yes</u> / <u>No</u>	MS/MSD Sample Submitted: <u>Yes</u> / <u>No</u>

SRM2132
 7-22-08

Laboratory Copy

BP COC Rev. 5 10/11/2006

acct#12495 CIP#1101714

sample# 5420392-904
181742

Atlantic Richfield Company

bp
A BP affiliated company

Chain of Custody Record

Project Name: BP Sanborn
BP BU/AR Region/Enfos Segment: _____
State or Lead Regulatory Agency: _____
Requested Due Date (mm/dd/yy): _____

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Lab</u>	BP/AR Facility No.: _____	Consultant/Contractor: <u>Pearsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster PA 17601</u>	BP/AR Facility Address: <u>2040 Cuy Dr. Sanborn, NY 14132</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long: _____	Consultant/Contractor Project No.: <u>444/83. 01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>60100-0126</u>	Tele/Fax: <u>(716) 409-4990</u>
Address: <u>4850 E 4th St, MNC 3</u> <u>Cuyahoga Hts, OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(440) 271-8028</u>	Phase/WBS: <u>04m40</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element: <u>Contractor Labor 01</u>	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											
1	Field Dup #2		7/16/08		X			3	X					X										
2	PW-1	500	7/16/08		X			3	X					X										High
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								

Sampler's Name: <u>Richard C. Becker</u>	Relinquished By / Affiliation: <u>Richard C. Becker</u>	Date: <u>7/16/08</u>	Time: <u>1:20</u>	Accepted By / Affiliation: <u>Shutler/Moya LLI</u>	Date: <u>7-22-08</u>	Time: <u>1030</u>
Sampler's Company: <u>DWM Enterprises Inc.</u>						
Shipment Date: <u>7/21/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864808432</u>						

Special Instructions:

Custody Seals In Place ☒ Yes ☐ No Temp Blank ☒ Yes ☐ No Cooler Temp on Receipt: 3.9°C Trip Blank ☒ Yes ☐ No MS/MSD Sample Submitted ☒ Yes ☐ No

Laboratory Copy

SRM 2132
7-22-08

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: Atlantic Richfield Shipping Container Sealed: YES ☒ NO ☐

Date of Receipt: 7-22-08 Custody Seal Present: YES ☒ NO ☐

Time of Receipt: 1030 Custody Seal Intact: YES ☐ NO ☒ NA ☐

Source Code: 50-1 Package: ☒ Chilled ☐ Not Chilled

Unpacker Emp. No.: 2132

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	3.9°	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Bottom part of COC (Yes/No section) was filled out prior to receiving. Corrected the custody seal answer to "NO" - there was no custody seal on the cooler.

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Shutka/Myers</u>	<u>7-22-08</u>	<u>1337</u>	Unpacking to storage
<u>Ammy Del...</u>	<u>7/22/08</u>	<u>1350</u>	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 <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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ANALYTICAL RESULTS

Prepared for:

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

281-366-2000

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 1101962. Samples arrived at the laboratory on Wednesday, July 23, 2008. The PO# for this group is 001Q0-0126 and the release number is BARBER.

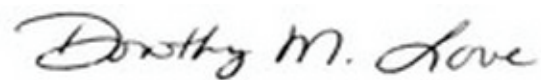
<u>Client Description</u>	<u>Lancaster Labs Number</u>
B-52 Water	5422160
B-53 Water	5422161
B-54 Water	5422162
B-55 Water	5422163
B-6 Water	5422164
B-20 Water	5422165
B-20 Matrix Spike Water	5422166
B-20 Matrix Spike Dup Water	5422167
B-50 Water	5422168
B-51 Water	5422169
Field Dup #3 Water	5422170

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Dorothy M. Love
Group Leader

Lancaster Laboratories Sample No. 5422160 WW Group No. 1101962
B-52 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-52

Collected: 07/22/2008 10:35 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS52

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422160 WW Group No. 1101962

B-52 Water

BP Sanborn COC: 181743

2040 Cory Dr.-Sanborn, NY B-52

Collected: 07/22/2008 10:35 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS52

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 04:31	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 04:31	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 04:31	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422161 WW Group No. 1101962
B-53 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-53

Collected: 07/22/2008 11:25 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS53

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	6.9	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	26.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422161 WW Group No. 1101962
B-53 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-53

Collected: 07/22/2008 11:25 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS53

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 04:52	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 04:52	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 04:52	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422162 WW Group No. 1101962
B-54 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-54

Collected: 07/22/2008 11:00 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Reported: 07/31/2008 at 00:33

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS54

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422162 WW Group No. 1101962

B-54 Water

BP Sanborn COC: 181743

2040 Cory Dr.-Sanborn, NY B-54

Collected: 07/22/2008 11:00 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS54

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

The pH of the GC/MS volatile fraction was pH = 10 at the time of analysis.

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 05:13	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 05:13	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 05:13	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422163 WW Group No. 1101962
B-55 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-55

Collected: 07/22/2008 10:50 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS55

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422163 WW Group No. 1101962

B-55 Water

BP Sanborn COC: 181743

2040 Cory Dr.-Sanborn, NY B-55

Collected: 07/22/2008 10:50 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Reported: 07/31/2008 at 00:33

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS55

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 05:34	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 05:34	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 05:34	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422164 WW Group No. 1101962
B-6 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-6

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.0 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	26.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	230.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422164 WW Group No. 1101962
B-6 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-6

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 05:54	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 05:54	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 05:54	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422165 WW Group No. 1101962
B-20 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-20

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422165 WW Group No. 1101962
B-20 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-20

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 06:15	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 06:15	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 06:15	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422166 WW Group No. 1101962
B-20 Matrix Spike Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-20

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35
Reported: 07/31/2008 at 00:33
Discard: 08/31/2008

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

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	17.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	18.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	18.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	18.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	18.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	17.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	30.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	25.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	24.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	24.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	22.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	19.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	23.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	20.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	18.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	19.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	18.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	21.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	20.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	18.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	19.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	17.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	18.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	20.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	19.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	18.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422166 WW Group No. 1101962

B-20 Matrix Spike Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-20

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35
Reported: 07/31/2008 at 00:33
Discard: 08/31/2008

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

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	17.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	17.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	18.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	17.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	17.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 06:36	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 06:36	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 06:36	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422167 WW Group No. 1101962

B-20 Matrix Spike Dup Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-20

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35
Reported: 07/31/2008 at 00:33
Discard: 08/31/2008

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

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	17.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	18.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	18.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	18.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	18.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	15.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	29.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	23.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	24.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	23.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	21.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	18.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	22.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	20.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	20.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	18.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	19.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	21.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	19.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	18.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	19.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	18.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	18.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	20.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	19.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	18.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422167 WW Group No. 1101962

B-20 Matrix Spike Dup Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-20

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35
Reported: 07/31/2008 at 00:33
Discard: 08/31/2008

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

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	18.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	17.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	18.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	17.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	18.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 06:57	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 06:57	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 06:57	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422168 WW Group No. 1101962
B-50 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-50

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS50

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.6 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	25.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	91.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422168 WW Group No. 1101962

B-50 Water

BP Sanborn COC: 181743

2040 Cory Dr.-Sanborn, NY B-50

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Reported: 07/31/2008 at 00:33

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS50

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 07:59	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 07:59	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 07:59	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422169 WW Group No. 1101962
B-51 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY B-51

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS51

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422169 WW Group No. 1101962

B-51 Water

BP Sanborn COC: 181743

2040 Cory Dr.-Sanborn, NY B-51

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Reported: 07/31/2008 at 00:33

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS51

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 08:20	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 08:20	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 08:20	Matthew S Woods	1

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

Lancaster Laboratories Sample No. 5422170 WW Group No. 1101962
Field Dup #3 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY Fld Dup #3

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 00:33

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDSD3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.7 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	24.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	91.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5422170 WW Group No. 1101962

Field Dup #3 Water
BP Sanborn COC: 181743
2040 Cory Dr.-Sanborn, NY Fld Dup #3

Collected: 07/22/2008 by RCB

Account Number: 12495

Submitted: 07/23/2008 09:35
Reported: 07/31/2008 at 00:33
Discard: 08/31/2008

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

CDSD3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/25/2008 08:41	Matthew S Woods	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/25/2008 08:41	Matthew S Woods	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/25/2008 08:41	Matthew S Woods	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 12:33 AM

Group Number: 1101962

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: Y082071AA Sample number(s): 5422160-5422170									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	89		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	143		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	118		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	115		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	115		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	107		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	100		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	111		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	106		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	96		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	91		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	91		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	100		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	92		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	87		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	91		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	91		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	89		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	94		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	104		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	93		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	96		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	92		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	92		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	89		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	94		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	94		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	88		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	89		51-142		

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: Y082071AA Sample number(s): 5422160-5422170 UNSPK: 5422165									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 12:33 AM

Group Number: 1101962

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzyl Chloride	83	84	65-119	2	30				
Dichlorodifluoromethane	151	143	37-181	5	30				
Chloromethane	124	117	49-153	5	30				
Vinyl Chloride	120	120	59-143	0	30				
Bromomethane	119	114	54-140	4	30				
Chloroethane	109	106	60-140	3	30				
Trichlorofluoromethane	97	91	68-163	6	30				
1,1-Dichloroethene	114	112	87-145	2	30				
Methylene Chloride	101	100	79-133	1	30				
trans-1,2-Dichloroethene	99	99	82-133	1	30				
1,1-Dichloroethane	91	90	85-135	0	30				
cis-1,2-Dichloroethene	97	97	83-126	1	30				
Chloroform	91	93	83-139	2	30				
1,1,1-Trichloroethane	103	103	81-142	1	30				
Carbon Tetrachloride	95	94	82-149	1	30				
1,2-Dichloroethane	83	84	70-143	1	30				
Trichloroethene	98	97	83-136	1	30				
1,2-Dichloropropane	91	92	83-129	1	30				
Dibromomethane	93	94	82-128	1	30				
Bromodichloromethane	87	89	80-137	2	30				
1,1,2-Trichloroethane	91	91	77-125	0	30				
Tetrachloroethene	101	101	78-133	1	30				
Dibromochloromethane	91	91	80-128	0	30				
Chlorobenzene	96	97	83-120	1	30				
1,1,1,2-Tetrachloroethane	91	90	83-119	1	30				
Bromoform	86	90	64-119	5	30				
1,1,2,2-Tetrachloroethane	84	86	73-121	2	30				
Bromobenzene	92	92	83-121	0	30				
1,2,3-Trichloropropane	88	89	73-125	1	30				
1,3-Dichlorobenzene	92	90	79-123	1	30				
1,4-Dichlorobenzene	92	91	81-122	1	30				
1,2-Dichlorobenzene	91	91	82-117	0	30				
trans-1,3-Dichloropropene	83	84	77-123	2	30				
cis-1,3-Dichloropropene	87	89	80-126	2	30				
2-Chloroethyl Vinyl Ether	83	77	1-156	8	30				

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082071AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5422160	95	93	89	84
5422161	95	92	89	85
5422162	91	93	91	85
5422163	94	96	90	85
5422164	94	96	91	85

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 12:33 AM

Group Number: 1101962

Surrogate Quality Control

5422165	94	94	90	84
5422166	91	91	92	89
5422167	92	92	93	88
5422168	94	92	91	85
5422169	94	94	91	84
5422170	93	95	90	83
Blank	93	95	90	84
LCS	90	91	92	89
MS	91	91	92	89
MSD	92	92	93	88
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Project Name: BP Sanborn
LLI Group #: 1101962

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: 5422162

The pH of the GC/MS volatile fraction was pH = 10 at the time of analysis.

Sample #s: 5422160, 5422161, 5422163, 5422164, 5422165, 5422166, 5422167, 5422168, 5422169, 5422170

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

Chain of Custody Record

Project Name: BP, Sanborn
BP BU/AR Region/Enfos Segment: _____
State or Lead Regulatory Agency: _____
Requested Due Date (mm/dd/yy): _____

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Laboratories</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Persons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cong Dr. Sanborn, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>44183.01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hernandez</u>
BP/AR EBM: <u>B.11 Barber</u>	Enfos Project No.: <u>00120-0126</u>	Tele/Fax: <u># 716 409-4990</u>
Address: <u>4856 E 95th St. MBC 3</u> <u>Cuyahoga Ht. OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8038</u>	Phase/WBS: <u>O+M 40</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or <u>BP</u> or Atlantic Richfield Co. (circle one)
	Cost Element: <u>Contractor labor 01</u>	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											
1	B-52	1125	7/22/08		X			3	X					X										low
2	B-53	1125						3																med
3	B-54	1100						3																low
4	B-55	1050						3																low
5	B-6							3																high
6	B-20							3																low
7	B-20 MS							3																med low
8	B-20 MSD							3																low
9	B-50							3																med
10	B-51				X			3	X					X										low

Sampler's Name: <u>Richard C. Berken</u>	Relinquished By / Affiliation: <u>Richard C. Berken</u>	Date: <u>7/22/08</u>	Time: <u>1810</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/22/08</u>	Time: <u>1810</u>
Sampler's Company: <u>O+M Enterprises Inc.</u>						
Shipment Date: <u>7/22/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864 811 299</u>						

Special Instructions: _____

Custody Seals In Place: <u>(Yes)</u> / No	Temp Blank: <u>(Yes)</u> / No	Cooler Temp on Receipt: <u>4.6 °F (C)</u>	Trip Blank: <u>(Yes)</u> / No	MS/MSD Sample Submitted: <u>(Yes)</u> / No

Chain of Custody Record

Project Name: BP, Sanborn
 BP BU/AR Region/Enfos Segment: _____
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): _____

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Laboratories</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sanborn, NY</u>	Address: <u>40 LaRiviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Hahn</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>44183.01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00100-0126</u>	Tele/Fax: <u>(716) 407-4990</u>
Address: <u>4850 E 49th St. MBC 3</u> <u>Cuyahoga Falls, OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>216 271-8038</u>	Phase/WBS: <u>OTM 40</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element: <u>Contractor Lab 01</u>	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis								Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol									
1	Field Dup # 3		7/22/08	X				3	X						X							
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: <u>DM Enterprises Inc.</u>	<u>Rich C Becker</u>	<u>7/22/08</u>	<u>1810</u>			
Shipment Date: <u>7/22/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864811299</u>					<u>7-27-08</u>	<u>0935</u>

Special Instructions:

Custody Seals In Place: <u>Yes</u> / No	Temp Blank: <u>Yes</u> / No	Cooler Temp on Receipt: <u>4.6 °F/C</u>	Trip Blank: <u>Yes</u> / No	MS/MSD Sample Submitted: <u>Yes</u> / No

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP - Parsons

Shipping Container Sealed: ☒ YES NO

Date of Receipt: 7-23-08

Custody Seal Present: ☒ YES NO

Time of Receipt: 0935

Custody Seal Intact: ☒ YES NO NA

Source Code: 50-1

Package: ☒ Chilled Not Chilled

Unpacker Emp. No.: 2218

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	1429483	4.6	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 805 IN 2

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	7-23-08	1320	Unpacking to storage
<i>[Signature]</i>	7/23/08	1455	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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

SAMPLE GROUP

The sample group for this submittal is 1102163. Samples arrived at the laboratory on Thursday, July 24, 2008. The PO# for this group is 001Q0-0126 and the release number is BARBER.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
B-3 Water	5423254
B-4 Water	5423255
B-5 Water	5423256
B-42 Water	5423257
B-43 Water	5423258
B-7 Water	5423259
B-18 Water	5423260
B-40 Water	5423261
B-40 Matrix Spike Water	5423262
B-40 Matrix Spike Dup Water	5423263
Field Dup #4 Water	5423264

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Marla S. Lord
Senior Specialist

Lancaster Laboratories Sample No. 5423254 WW Group No. 1102163
B-3 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-3

Collected: 07/23/2008 10:25 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	14.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	1.0 J	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	4.3 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	1.1 J	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	190.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	19.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423254 WW Group No. 1102163
B-3 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-3

Collected: 07/23/2008 10:25 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 02:36	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 02:36	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 02:36	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423255 WW Group No. 1102163
B-4 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-4

Collected: 07/23/2008 12:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	12.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.8 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	41.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	5.1	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423255 WW Group No. 1102163
B-4 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-4

Collected: 07/23/2008 12:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 02:57	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 02:57	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 02:57	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423256 WW Group No. 1102163
B-5 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-5

Collected: 07/23/2008 12:00 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	3.0 J	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.5 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	54.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	290.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423256 WW Group No. 1102163

B-5 Water

BP Sanborn COC: 181745

2040 Cory Dr.-Sanborn, NY B-5

Collected: 07/23/2008 12:00 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 03:18	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 03:18	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 03:18	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423257 WW Group No. 1102163
B-42 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-42

Collected: 07/23/2008 09:20 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.81 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	6.8	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	2.4 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423257 WW Group No. 1102163

B-42 Water

BP Sanborn COC: 181745

2040 Cory Dr.-Sanborn, NY B-42

Collected: 07/23/2008 09:20 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 03:59	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 03:59	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 03:59	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423258 WW Group No. 1102163
B-43 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-43

Collected: 07/23/2008 10:35 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	2.6 J	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	8.5	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	2.3 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423258 WW Group No. 1102163
B-43 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-43

Collected: 07/23/2008 10:35 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 12:56	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 12:56	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 12:56	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423259 WW Group No. 1102163
B-7 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-7

Collected: 07/23/2008 15:25 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	2.2 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	7.7	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423259 WW Group No. 1102163
B-7 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-7

Collected: 07/23/2008 15:25 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 13:17	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 13:17	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 13:17	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423260 WW Group No. 1102163
B-18 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-18

Collected: 07/23/2008 14:55 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	11.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.1 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	26.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423260 WW Group No. 1102163

B-18 Water

BP Sanborn COC: 181745

2040 Cory Dr.-Sanborn, NY B-18

Collected: 07/23/2008 14:55 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 13:38	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 13:38	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 13:38	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423261 WW Group No. 1102163
B-40 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-40

Collected: 07/23/2008 13:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	3.1 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.6 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423261 WW Group No. 1102163
B-40 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-40

Collected: 07/23/2008 13:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 13:59	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 13:59	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 13:59	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423262 WW Group No. 1102163
B-40 Matrix Spike Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-40

Collected: 07/23/2008 13:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50
Reported: 07/31/2008 at 21:45
Discard: 08/31/2008

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

CDS40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	18.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	20.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	19.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	19.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	19.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	19.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	31.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	27.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	28.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	25.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	23.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	21.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	24.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	22.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	21.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	19.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	23.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	22.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	19.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	20.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	18.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	20.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	19.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423262 WW Group No. 1102163
B-40 Matrix Spike Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-40

Collected: 07/23/2008 13:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50
Reported: 07/31/2008 at 21:45
Discard: 08/31/2008

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

CDS40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	18.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	19.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	19.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	17.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 14:20	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 14:20	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 14:20	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423263 WW Group No. 1102163

B-40 Matrix Spike Dup Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-40

Collected: 07/23/2008 13:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50
 Reported: 07/31/2008 at 21:45
 Discard: 08/31/2008

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

CDS40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	18.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	19.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	19.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	19.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	19.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	18.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	30.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	27.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	27.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	25.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	22.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	20.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	22.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	21.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	20.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	19.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	24.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	19.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	22.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	19.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	19.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	18.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	19.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423263 WW Group No. 1102163

B-40 Matrix Spike Dup Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY B-40

Collected: 07/23/2008 13:45 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50
Reported: 07/31/2008 at 21:45
Discard: 08/31/2008

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

CDS40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	18.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	18.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	19.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	18.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 14:41	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 14:41	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 14:41	Holly Berry	1

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

Lancaster Laboratories Sample No. 5423264 WW Group No. 1102163
Field Dup #4 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY Fld Dup #4

Collected: 07/23/2008 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDSF4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	8.5	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	18.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5423264 WW Group No. 1102163

Field Dup #4 Water
BP Sanborn COC: 181745
2040 Cory Dr.-Sanborn, NY Fld Dup #4

Collected: 07/23/2008 by RCB

Account Number: 12495

Submitted: 07/24/2008 09:50
Reported: 07/31/2008 at 21:45
Discard: 08/31/2008

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

CDSF4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/26/2008 15:44	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/26/2008 15:44	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/26/2008 15:44	Holly Berry	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102163

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: Y082081AA Sample number(s): 5423258-5423264									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	91		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	135		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	121		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	117		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	111		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	103		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	95		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	102		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	100		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	93		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	87		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	94		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	89		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	100		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	86		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	83		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	91		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	94		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	88		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	97		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	96		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	92		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	96		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	89		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	89		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	90		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	95		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	96		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	93		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	92		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	88		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	89		51-142		
Batch number: Y082102AA Sample number(s): 5423254-5423257									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	93		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	134		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	127		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	108		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	117		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	109		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	94		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	106		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	108		85-120		

*- Outside of specification

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102163

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	92		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	92		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	90		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	86		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	97		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	95		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	100		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	93		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	91		51-142		

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y082081AA									
Sample number(s): 5423258-5423264 UNSPK: 5423261									
Benzyl Chloride	91	88	65-119	3	30				
Dichlorodifluoromethane	157	149	37-181	5	30				
Chloromethane	136	135	49-153	0	30				
Vinyl Chloride	138	134	59-143	3	30				
Bromomethane	126	124	54-140	1	30				
Chloroethane	114	111	60-140	3	30				
Trichlorofluoromethane	106	102	68-163	4	30				
1,1-Dichloroethene	118	111	87-145	6	30				
Methylene Chloride	108	103	79-133	4	30				
trans-1,2-Dichloroethene	104	101	82-133	2	30				
1,1-Dichloroethane	94	93	85-135	1	30				
cis-1,2-Dichloroethene	101	102	83-126	1	30				
Chloroform	93	94	83-139	1	30				
1,1,1-Trichloroethane	110	109	81-142	1	30				
Carbon Tetrachloride	96	96	82-149	0	30				
1,2-Dichloroethane	86	86	70-143	0	30				
Trichloroethene	103	100	83-136	3	30				
1,2-Dichloropropane	95	94	83-129	1	30				

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102163

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dibromomethane	98	96	82-128	2	30				
Bromodichloromethane	92	92	80-137	0	30				
1,1,2-Trichloroethane	95	95	77-125	0	30				
Tetrachloroethene	101	103	78-133	2	30				
Dibromochloromethane	94	93	80-128	1	30				
Chlorobenzene	99	99	83-120	0	30				
1,1,1,2-Tetrachloroethane	93	93	83-119	0	30				
Bromoform	91	89	64-119	2	30				
1,1,2,2-Tetrachloroethane	93	90	73-121	3	30				
Bromobenzene	98	97	83-121	0	30				
1,2,3-Trichloropropane	94	95	73-125	2	30				
1,3-Dichlorobenzene	96	96	79-123	1	30				
1,4-Dichlorobenzene	96	95	81-122	1	30				
1,2-Dichlorobenzene	95	95	82-117	0	30				
trans-1,3-Dichloropropene	87	88	77-123	1	30				
cis-1,3-Dichloropropene	93	92	80-126	1	30				
2-Chloroethyl Vinyl Ether	93	90	1-156	3	30				

Batch number: Y082102AA	Sample number(s): 5423254-5423257 UNSPK: P426028								
Benzyl Chloride	90	89	65-119	0	30				
Dichlorodifluoromethane	152	150	37-181	1	30				
Chloromethane	141	139	49-153	1	30				
Vinyl Chloride	121	126	59-143	1	30				
Bromomethane	123	130	54-140	6	30				
Chloroethane	114	113	60-140	1	30				
Trichlorofluoromethane	101	103	68-163	2	30				
1,1-Dichloroethene	123	118	87-145	4	30				
Methylene Chloride	107	108	79-133	1	30				
trans-1,2-Dichloroethene	104	102	82-133	2	30				
1,1-Dichloroethane	93	95	85-135	2	30				
cis-1,2-Dichloroethene	96 (2)	90 (2)	83-126	0	30				
Chloroform	93	95	83-139	2	30				
1,1,1-Trichloroethane	108	109	81-142	1	30				
Carbon Tetrachloride	98	98	82-149	0	30				
1,2-Dichloroethane	84	86	70-143	2	30				
Trichloroethene	101	100	83-136	1	30				
1,2-Dichloropropane	95	98	83-129	3	30				
Dibromomethane	97	96	82-128	2	30				
Bromodichloromethane	91	93	80-137	3	30				
1,1,2-Trichloroethane	97	96	77-125	1	30				
Tetrachloroethene	105	104	78-133	0	30				
Dibromochloromethane	92	93	80-128	0	30				
Chlorobenzene	100	100	83-120	0	30				
1,1,1,2-Tetrachloroethane	90	92	83-119	2	30				
Bromoform	89	91	64-119	2	30				
1,1,2,2-Tetrachloroethane	90	91	73-121	1	30				
Bromobenzene	96	95	83-121	0	30				
1,2,3-Trichloropropane	93	95	73-125	2	30				
1,3-Dichlorobenzene	96	98	79-123	3	30				
1,4-Dichlorobenzene	95	97	81-122	2	30				
1,2-Dichlorobenzene	94	96	82-117	2	30				
trans-1,3-Dichloropropene	89	89	77-123	0	30				
cis-1,3-Dichloropropene	95	94	80-126	0	30				

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102163

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Chloroethyl Vinyl Ether	89	94	1-156	5	30			

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082081AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5423258	91	93	90	83
5423259	92	96	90	85
5423260	92	90	90	85
5423261	91	93	90	84
5423262	90	93	91	89
5423263	90	93	92	88
5423264	92	93	91	84
Blank	91	91	90	84
LCS	90	92	92	89
MS	90	93	91	89
MSD	90	93	92	88
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082102AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5423254	92	92	90	83
5423255	93	91	89	82
5423256	91	95	90	83
5423257	92	95	90	84
Blank	90	93	90	83
LCS	91	95	91	88
MS	90	93	91	88
MSD	91	94	91	88
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Project Name: BP Sanborn
LLI Group #: 1102163

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: 5423254, 5423255, 5423256, 5423257, 5423258, 5423259, 5423260, 5423261, 5423262, 5423263, 5423264

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

Acc# 12495 Cp# 1102103

Sample# 5423254-65
181745

Atlantic Richfield Company

bp
A BP affiliated company

Chain of Custody Record

Project Name: BP, Sanborn
BP BU/AR Region/Enfos Segment: _____
State or Lead Regulatory Agency: _____
Requested Due Date (mm/dd/yy): 11/11/08

Page 1 of 2

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Lab</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Ave</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sanborn, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>444183. 01035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00100-0126</u>	Tele/Fax: <u>(716) 469-4990</u>
Address: <u>4850 E 49th St. MBC 3</u> <u>Cuyahoga Hts, OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 211-8038</u>	Phase/WBS: <u>O+m 40</u>	E-mail EDD To: <u>Lorraine Weber</u>
Lab Bottle Order No:	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or <u>BP or Atlantic Richfield Co.</u> (circle one)
	Cost Element: <u>contractor labor 01</u>	

Item No.	Sample Description	Time	Date	Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments
				Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											
1	B-3	1025	7/23/08	X				3	X					X										
2	B-4	1245						3																med
3	B-5	1200						3																med
4	B-42	0920						3																med
5	B-43	1035						3																low
6	B-7	1525						3																med
7	B-18	1455						3																med
8	B-40	1345						3																med
9	B-40 ms							3																med
10	B-40 ms D		X	X				3	X					X										med

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken</u>	Date: <u>7/23/08</u>	Time: <u>1800</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>O+m Enterprises Inc.</u>						
Shipment Date: <u>7/23/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864811302</u>						
Special Instructions:						

Custody Seals In Place: Yes/No Temp Blank: Yes/No Cooler Temp on Receipt: 38 °F Trip Blank: Yes/No MS/MSD Sample Submitted: Yes/No

Laboratory Copy

acct# 12495 Cpt# 1102163 Sample# 5423254-65
181746

**Atlantic
Richfield
Company**



A BP affiliated company

Chain of Custody Record

Project Name: BP, Sanborn

BP BU/AR Region/Enfos Segment: _____

State or Lead Regulatory Agency: _____

Requested Due Date (mm/dd/yy): 14 TAT

Page 2 of 2

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Lab</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sanborn, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>44483.0035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00100-0126</u>	Tele/Fax: <u>716 409-4990</u>
Address: <u>4850 E 47th St MBL-3</u> <u>Cuyahoga Hts, OH 44125</u>	Provision or OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 271-7038</u>	Phase/WBS: <u>Orn 40</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element: <u>Contractor labor 01</u>	

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis							Sample Point Lat/Long and Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
1	Field Dup #4		7/23/08	X			3	X					8760	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									

Sampler's Name: <u>Richard C Baker</u>	Relinquished By / Affiliation: <u>Richard C Baker</u>	Date: <u>7/23/08</u>	Time: <u>1800</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>OTM Enterprises INC.</u>						
Shipment Date: <u>7/23/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864 864 811 303</u>						

Special Instructions:

Custody Seals In Place (Yes) / No

Temp Blank (Yes) / No

Cooler Temp on Receipt: 3 P °F/C

Trip Blank (Yes) / No

MS/MSD Sample Submitted (Yes) / No

Laboratory Copy

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP-Parsons
Date of Receipt: 7-24-08
Time of Receipt: 0950
Source Code: 50-1
Unpacker Emp. No.: 2218

Shipping Container Sealed: YES NO
Custody Seal Present: YES NO
Custody Seal Intact: YES NO NA
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	0429983	3.8	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	7-24-08	1441	Unpacking TO Storage
<i>[Signature]</i>	7/24/08	1509	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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

SAMPLE GROUP

The sample group for this submittal is 1102380. Samples arrived at the laboratory on Friday, July 25, 2008.
The PO# for this group is 001Q0-0126 and the release number is BARBER.

Client Description

B-26 Water
B-31 Water
B-8 Water
B-11 Water
B-10 Water
B-39 Water
B-13 Water
B-48 Water

Lancaster Labs Number

5424621
5424622
5424623
5424624
5424625
5424626
5424627
5424628

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Marla S. Lord
Senior Specialist

Lancaster Laboratories Sample No. 5424621 WW Group No. 1102380
B-26 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-26

Collected: 07/24/2008 09:40 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424621 WW Group No. 1102380

B-26 Water

BP Sanborn COC: 181747

2040 Cory Dr.-Sanborn, NY B-26

Collected: 07/24/2008 09:40 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 04:20	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 04:20	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 04:20	Holly Berry	1

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

Lancaster Laboratories Sample No. 5424622 WW Group No. 1102380
B-31 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-31

Collected: 07/24/2008 10:40 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	3.1 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.1 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424622 WW Group No. 1102380

B-31 Water

BP Sanborn COC: 181747

2040 Cory Dr.-Sanborn, NY B-31

Collected: 07/24/2008 10:40 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 04:40	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 04:40	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 04:40	Holly Berry	1

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

Lancaster Laboratories Sample No. 5424623 WW Group No. 1102380
B-8 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-8

Collected: 07/24/2008 11:25 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	20.	100.	ug/l	20
05422	Bromobenzene	108-86-1	N.D.	20.	100.	ug/l	20
05432	1,3-Dichlorobenzene	541-73-1	N.D.	20.	100.	ug/l	20
05433	1,4-Dichlorobenzene	106-46-7	N.D.	20.	100.	ug/l	20
05435	1,2-Dichlorobenzene	95-50-1	N.D.	20.	100.	ug/l	20
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	40.	200.	ug/l	20
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	40.	100.	ug/l	20
05385	Chloromethane	74-87-3	N.D.	20.	100.	ug/l	20
05386	Vinyl Chloride	75-01-4	28. J	20.	100.	ug/l	20
05387	Bromomethane	74-83-9	N.D.	20.	100.	ug/l	20
05388	Chloroethane	75-00-3	N.D.	20.	100.	ug/l	20
05389	Trichlorofluoromethane	75-69-4	N.D.	40.	100.	ug/l	20
05390	1,1-Dichloroethene	75-35-4	N.D.	16.	100.	ug/l	20
05391	Methylene Chloride	75-09-2	N.D.	40.	100.	ug/l	20
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	16.	100.	ug/l	20
05393	1,1-Dichloroethane	75-34-3	N.D.	20.	100.	ug/l	20
05395	cis-1,2-Dichloroethene	156-59-2	1,400.	16.	100.	ug/l	20
05396	Chloroform	67-66-3	N.D.	16.	100.	ug/l	20
05398	1,1,1-Trichloroethane	71-55-6	N.D.	16.	100.	ug/l	20
05399	Carbon Tetrachloride	56-23-5	N.D.	20.	100.	ug/l	20
05402	1,2-Dichloroethane	107-06-2	N.D.	20.	100.	ug/l	20
05403	Trichloroethene	79-01-6	37,000.	200.	1,000.	ug/l	200
05404	1,2-Dichloropropane	78-87-5	N.D.	20.	100.	ug/l	20
05405	Dibromomethane	74-95-3	N.D.	20.	100.	ug/l	20
05406	Bromodichloromethane	75-27-4	N.D.	20.	100.	ug/l	20
05408	1,1,2-Trichloroethane	79-00-5	N.D.	16.	100.	ug/l	20
05409	Tetrachloroethene	127-18-4	N.D.	16.	100.	ug/l	20
05411	Dibromochloromethane	124-48-1	N.D.	20.	100.	ug/l	20
05413	Chlorobenzene	108-90-7	N.D.	16.	100.	ug/l	20
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	20.	100.	ug/l	20

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

Lancaster Laboratories Sample No. 5424623 WW Group No. 1102380
B-8 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-8

Collected: 07/24/2008 11:25 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	20.	100.	ug/l	20
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	20.	100.	ug/l	20
05423	1,2,3-Trichloropropane	96-18-4	N.D.	20.	100.	ug/l	20
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	20.	100.	ug/l	20
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	20.	100.	ug/l	20

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 05:01	Holly Berry	20
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 05:01	Holly Berry	20
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 05:23	Holly Berry	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 05:01	Holly Berry	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/29/2008 05:23	Holly Berry	200

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

Lancaster Laboratories Sample No. 5424624 WW Group No. 1102380
B-11 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-11

Collected: 07/24/2008 13:55 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.87	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	170.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	700.	10.	50.	ug/l	10
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424624 WW Group No. 1102380
B-11 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-11

Collected: 07/24/2008 13:55 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 05:43	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 05:43	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 06:04	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 05:43	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/29/2008 06:04	Holly Berry	10

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

Lancaster Laboratories Sample No. 5424625 WW Group No. 1102380
B-10 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-10

Collected: 07/24/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.81	J 0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	8.4	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	4.2	J 0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	43.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424625 WW Group No. 1102380
B-10 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-10

Collected: 07/24/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 06:25	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 06:25	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 06:25	Holly Berry	1

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

Lancaster Laboratories Sample No. 5424626 WW Group No. 1102380
B-39 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-39

Collected: 07/24/2008 12:30 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	0.90 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	4.1 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424626 WW Group No. 1102380
B-39 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-39

Collected: 07/24/2008 12:30 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 06:46	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 06:46	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 06:46	Holly Berry	1

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

Lancaster Laboratories Sample No. 5424627 WW Group No. 1102380
B-13 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-13

Collected: 07/24/2008 14:30 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	33.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	4.2 J	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	14.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	4.4 J	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	660.	8.0	50.	ug/l	10
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	210.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424627 WW Group No. 1102380
B-13 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-13

Collected: 07/24/2008 14:30 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 07:11	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 07:11	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 07:31	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 07:11	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/29/2008 07:31	Holly Berry	10

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

Lancaster Laboratories Sample No. 5424628 WW Group No. 1102380
B-48 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-48

Collected: 07/24/2008 15:45 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Reported: 07/31/2008 at 21:45

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	0.95 J	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	2.9 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5424628 WW Group No. 1102380
B-48 Water
BP Sanborn COC: 181747
2040 Cory Dr.-Sanborn, NY B-48

Collected: 07/24/2008 15:45 by RCB

Account Number: 12495

Submitted: 07/25/2008 09:10

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:45

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

CDS48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis		Analyst	Dilution Factor
			Trial#	Date and Time		
00310	8260B water special scan	SW-846 8260B	1	07/30/2008 11:08	Kathrine K Muramatsu	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/30/2008 11:08	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/30/2008 11:08	Kathrine K Muramatsu	1

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102380

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: Y082102AA Sample number(s): 5424621-5424627									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	93		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	134		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	127		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	108		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	117		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	109		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	94		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	106		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	108		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	92		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	92		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	90		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	86		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	97		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	95		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	100		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	93		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	91		51-142		
Batch number: Y082121AA Sample number(s): 5424628									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	93		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	133		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	129		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	110		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	117		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	110		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	97		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	105		85-120		

*- Outside of specification

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102380

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	97		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	91		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	91		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	91		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	84		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	95		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	98		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	91		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	100		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	93		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	96		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	95		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	95		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	100		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	89		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	88		51-142		

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y082102AA									
Sample number(s): 5424621-5424627 UNSPK: P426028									
Benzyl Chloride	90	89	65-119	0	30				
Dichlorodifluoromethane	152	150	37-181	1	30				
Chloromethane	141	139	49-153	1	30				
Vinyl Chloride	121	126	59-143	1	30				
Bromomethane	123	130	54-140	6	30				
Chloroethane	114	113	60-140	1	30				
Trichlorofluoromethane	101	103	68-163	2	30				
1,1-Dichloroethene	123	118	87-145	4	30				
Methylene Chloride	107	108	79-133	1	30				
trans-1,2-Dichloroethene	104	102	82-133	2	30				
1,1-Dichloroethane	93	95	85-135	2	30				
cis-1,2-Dichloroethene	96 (2)	90 (2)	83-126	0	30				
Chloroform	93	95	83-139	2	30				
1,1,1-Trichloroethane	108	109	81-142	1	30				
Carbon Tetrachloride	98	98	82-149	0	30				
1,2-Dichloroethane	84	86	70-143	2	30				
Trichloroethene	101	100	83-136	1	30				
1,2-Dichloropropane	95	98	83-129	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)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102380

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dibromomethane	97	96	82-128	2	30				
Bromodichloromethane	91	93	80-137	3	30				
1,1,2-Trichloroethane	97	96	77-125	1	30				
Tetrachloroethene	105	104	78-133	0	30				
Dibromochloromethane	92	93	80-128	0	30				
Chlorobenzene	100	100	83-120	0	30				
1,1,1,2-Tetrachloroethane	90	92	83-119	2	30				
Bromoform	89	91	64-119	2	30				
1,1,2,2-Tetrachloroethane	90	91	73-121	1	30				
Bromobenzene	96	95	83-121	0	30				
1,2,3-Trichloropropane	93	95	73-125	2	30				
1,3-Dichlorobenzene	96	98	79-123	3	30				
1,4-Dichlorobenzene	95	97	81-122	2	30				
1,2-Dichlorobenzene	94	96	82-117	2	30				
trans-1,3-Dichloropropene	89	89	77-123	0	30				
cis-1,3-Dichloropropene	95	94	80-126	0	30				
2-Chloroethyl Vinyl Ether	89	94	1-156	5	30				

Batch number: Y082121AA	Sample number(s): 5424628 UNSPK: P424577								
Benzyl Chloride	94	95	65-119	1	30				
Dichlorodifluoromethane	147	143	37-181	3	30				
Chloromethane	138	140	49-153	2	30				
Vinyl Chloride	125	128	59-143	2	30				
Bromomethane	116	116	54-140	0	30				
Chloroethane	117	119	60-140	2	30				
Trichlorofluoromethane	96	96	68-163	1	30				
1,1-Dichloroethene	116	118	87-145	2	30				
Methylene Chloride	106	108	79-133	2	30				
trans-1,2-Dichloroethene	102	99	82-133	3	30				
1,1-Dichloroethane	95	95	85-135	0	30				
cis-1,2-Dichloroethene	102	101	83-126	1	30				
Chloroform	94	91	83-139	3	30				
1,1,1-Trichloroethane	108	107	81-142	1	30				
Carbon Tetrachloride	96	92	82-149	4	30				
1,2-Dichloroethane	86	84	70-143	2	30				
Trichloroethene	104	102	83-136	2	30				
1,2-Dichloropropane	98	99	83-129	1	30				
Dibromomethane	101	94	82-128	7	30				
Bromodichloromethane	94	91	80-137	3	30				
1,1,2-Trichloroethane	101	100	77-125	1	30				
Tetrachloroethene	103	102	78-133	1	30				
Dibromochloromethane	91	90	80-128	1	30				
Chlorobenzene	100	102	83-120	2	30				
1,1,1,2-Tetrachloroethane	96	93	83-119	3	30				
Bromoform	87	85	64-119	2	30				
1,1,2,2-Tetrachloroethane	95	97	73-121	1	30				
Bromobenzene	98	99	83-121	1	30				
1,2,3-Trichloropropane	95	95	73-125	0	30				
1,3-Dichlorobenzene	99	98	79-123	1	30				
1,4-Dichlorobenzene	97	99	81-122	2	30				
1,2-Dichlorobenzene	99	97	82-117	2	30				
trans-1,3-Dichloropropene	85	83	77-123	3	30				
cis-1,3-Dichloropropene	89	87	80-126	1	30				

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:45 PM

Group Number: 1102380

Sample Matrix Quality Control

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
2-Chloroethyl Vinyl Ether	18	10	1-156	55*	30			

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082102AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5424621	96	95	90	84
5424622	93	95	90	83
5424623	94	97	91	84
5424624	91	89	90	83
5424625	93	94	90	83
5424626	93	97	90	82
5424627	93	94	90	83
Blank	90	93	90	83
LCS	91	95	91	88
MS	90	93	91	88
MSD	91	94	91	88
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5424628	89	95	92	84
Blank	90	93	90	84
LCS	89	95	91	88
MS	91	94	92	89
MSD	89	90	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 #: 1102380

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 #: Y082121AA (Sample number(s): 5424628 UNSPK: P424577)

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: 2-Chloroethyl Vinyl Ether

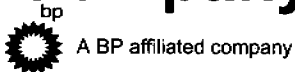
06886: Appendix IX by 8260 - water

Sample #s: 5424621, 5424622, 5424623, 5424624, 5424625, 5424626, 5424627, 5424628

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

acc# 12495 Ap# 1102380 Sample# 5424621-29
181747

**Atlantic
Richfield
Company**



Chain of Custody Record

Project Name: BP-Sanborn
BP BU/AR Region/Enfos Segment: _____
State or Lead Regulatory Agency: _____
Requested Due Date (mm/dd/yy): _____

Page 1 of 1

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Lab</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sanborn, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	California Global ID No.:	Consultant/Contractor Project No.: <u>0444183-01035</u>
Tele/Fax: <u>(717) 656-2300</u>	Enfos Project No.: <u>00/00-012L</u>	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Provision or OOC (circle one)	Tele/Fax: <u>(716) 409-4990</u>
Address: <u>4850 E 49th St. ABC-3</u> <u>Cuyahoga Falls, OH 44125</u>	Phase/WBS: <u>O+m 40</u>	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8038</u>	Sub Phase/Task: <u>Analytical 03</u>	E-mail EDD To: <u>Corrine Weber</u>
	Cost Element: <u>contractor labor 01</u>	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								

Sampler's Name: <u>Richard C. Beck</u>	Relinquished By / Affiliation: <u>Richard C. Beck</u>	Date: <u>7/24/00</u>	Time: <u>1900</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7-25-00</u>	Time: <u>0910</u>
Sampler's Company: <u>DPM Enterprises Inc.</u>						
Shipment Date: <u>7/24/00</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864811314</u>						

Special Instructions: _____

Custody Seals In Place: <u>Yes</u> / No	Temp Blank: <u>Yes</u> / No	Cooler Temp on Receipt: <u>4.7 °C</u>	Trip Blank: <u>Yes</u> / No	MS/MSD Sample Submitted: <u>Yes</u> / No

Laboratory Copy

BP COC Rev. 5 10/11/2006

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP-Parsons
Date of Receipt: 7-25-08
Time of Receipt: 0910
Source Code: 50-1
Unpacker Emp. No.: 2218

Shipping Container Sealed: YES NO
Custody Seal Present: YES NO
Custody Seal Intact: YES NO NA
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	0479183	4.7	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<i>[Signature]</i>	7-25-08	1255	Unpacking to storage
<i>[Signature]</i>	7/25/08	1545	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

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

SAMPLE GROUP

The sample group for this submittal is 1102543. Samples arrived at the laboratory on Saturday, July 26, 2008. The PO# for this group is 001Q0-0126 and the release number is BARBER.

<u>Client Description</u>	<u>Lancaster Labs Number</u>
B-38 Water	5426024
B-29 Water	5426025
B-45 Water	5426026
B-17 Water	5426027
B-23 Water	5426028
B-23 Matrix Spike Water	5426029
B-23 Matrix Spike Dup Water	5426030
Field Dup #5 Water	5426031
B-32 Water	5426032
B-33 Water	5426033
B-46 Water	5426034

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,



Marla S. Lord
Senior Specialist

Lancaster Laboratories Sample No. 5426024 WW Group No. 1102543
B-38 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-38

Collected: 07/25/2008 15:30 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Reported: 07/31/2008 at 21:46

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

SNB38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.88 J	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	48.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	21.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426024 WW Group No. 1102543
B-38 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-38

Collected: 07/25/2008 15:30 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/28/2008 22:29	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/28/2008 22:29	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/28/2008 22:29	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426025 WW Group No. 1102543
B-29 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-29

Collected: 07/25/2008 11:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Reported: 07/31/2008 at 21:46

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

SNB29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	1.8 J	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	19.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	3.0 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426025 WW Group No. 1102543

B-29 Water

BP Sanborn COC: 181749

2040 Cory Dr - Sanborn, NY B-29

Collected: 07/25/2008 11:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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#	Analysis Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/28/2008 22:50	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/28/2008 22:50	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/28/2008 22:50	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426026 WW Group No. 1102543
B-45 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-45

Collected: 07/25/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.3	J 1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426026 WW Group No. 1102543
B-45 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-45

Collected: 07/25/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield(Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/28/2008 23:11	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/28/2008 23:11	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/28/2008 23:11	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426027 WW Group No. 1102543
B-17 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-17

Collected: 07/25/2008 14:25 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	10.	50.	ug/l	10
05422	Bromobenzene	108-86-1	N.D.	10.	50.	ug/l	10
05432	1,3-Dichlorobenzene	541-73-1	N.D.	10.	50.	ug/l	10
05433	1,4-Dichlorobenzene	106-46-7	N.D.	10.	50.	ug/l	10
05435	1,2-Dichlorobenzene	95-50-1	N.D.	10.	50.	ug/l	10
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	20.	100.	ug/l	10
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	20.	50.	ug/l	10
05385	Chloromethane	74-87-3	N.D.	10.	50.	ug/l	10
05386	Vinyl Chloride	75-01-4	1,300.	10.	50.	ug/l	10
05387	Bromomethane	74-83-9	N.D.	10.	50.	ug/l	10
05388	Chloroethane	75-00-3	N.D.	10.	50.	ug/l	10
05389	Trichlorofluoromethane	75-69-4	N.D.	20.	50.	ug/l	10
05390	1,1-Dichloroethene	75-35-4	44. J	8.0	50.	ug/l	10
05391	Methylene Chloride	75-09-2	N.D.	20.	50.	ug/l	10
05392	trans-1,2-Dichloroethene	156-60-5	45. J	8.0	50.	ug/l	10
05393	1,1-Dichloroethane	75-34-3	71.	10.	50.	ug/l	10
05395	cis-1,2-Dichloroethene	156-59-2	8,000.	80.	500.	ug/l	100
05396	Chloroform	67-66-3	N.D.	8.0	50.	ug/l	10
05398	1,1,1-Trichloroethane	71-55-6	11. J	8.0	50.	ug/l	10
05399	Carbon Tetrachloride	56-23-5	N.D.	10.	50.	ug/l	10
05402	1,2-Dichloroethane	107-06-2	N.D.	10.	50.	ug/l	10
05403	Trichloroethene	79-01-6	3,800.	100.	500.	ug/l	100
05404	1,2-Dichloropropane	78-87-5	N.D.	10.	50.	ug/l	10
05405	Dibromomethane	74-95-3	N.D.	10.	50.	ug/l	10
05406	Bromodichloromethane	75-27-4	N.D.	10.	50.	ug/l	10
05408	1,1,2-Trichloroethane	79-00-5	N.D.	8.0	50.	ug/l	10
05409	Tetrachloroethene	127-18-4	N.D.	8.0	50.	ug/l	10
05411	Dibromochloromethane	124-48-1	N.D.	10.	50.	ug/l	10
05413	Chlorobenzene	108-90-7	N.D.	8.0	50.	ug/l	10
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10.	50.	ug/l	10

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

Lancaster Laboratories Sample No. 5426027 WW Group No. 1102543
B-17 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-17

Collected: 07/25/2008 14:25 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
05419	Bromoform	75-25-2	N.D.	10.	50.	ug/l	10
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10.	50.	ug/l	10
05423	1,2,3-Trichloropropane	96-18-4	N.D.	10.	50.	ug/l	10
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	10.	50.	ug/l	10
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	10.	50.	ug/l	10

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 01:55	Holly Berry	10
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 01:55	Holly Berry	10
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 02:15	Holly Berry	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 01:55	Holly Berry	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	07/29/2008 02:15	Holly Berry	100

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

Lancaster Laboratories Sample No. 5426028 WW Group No. 1102543
B-23 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-23

Collected: 07/25/2008 13:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	58.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	0.87	J 0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	1.1	J 1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	270.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.8	J 1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426028 WW Group No. 1102543
B-23 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-23

Collected: 07/25/2008 13:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/28/2008 23:31	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/28/2008 23:31	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/28/2008 23:31	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426029 WW Group No. 1102543

B-23 Matrix Spike Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-23MS

Collected: 07/25/2008 13:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20
Reported: 07/31/2008 at 21:46
Discard: 08/31/2008

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

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	18.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	19.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	19.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	19.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	19.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	18.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	30.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	28.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	82.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	25.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	23.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	20.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	25.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	21.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	22.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	20.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	290.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	20.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	22.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	19.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	19.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	18.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	18.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	18.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426029 WW Group No. 1102543
B-23 Matrix Spike Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-23MS

Collected: 07/25/2008 13:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20
Reported: 07/31/2008 at 21:46
Discard: 08/31/2008

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

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	18.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	18.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	19.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/28/2008 23:52	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/28/2008 23:52	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/28/2008 23:52	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426030 WW Group No. 1102543
B-23 Matrix Spike Dup Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-23MSD

Collected: 07/25/2008 13:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20
Reported: 07/31/2008 at 21:46
Discard: 08/31/2008

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

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	18.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	19.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	20.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	19.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	19.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	19.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	30.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	28.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	83.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	26.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	23.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	21.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	24.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	22.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	21.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	20.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	290.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	19.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	22.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	20.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	17.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	22.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	20.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	19.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	19.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	19.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	21.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	19.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	20.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	18.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426030 WW Group No. 1102543

B-23 Matrix Spike Dup Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-23MSD

Collected: 07/25/2008 13:50 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20
Reported: 07/31/2008 at 21:46
Discard: 08/31/2008

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

SNB23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	18.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	18.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	19.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	18.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	19.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 00:12	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 00:12	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 00:12	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426031 WW Group No. 1102543
Field Dup #5 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY FieldDup5

Collected: 07/25/2008 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Reported: 07/31/2008 at 21:46

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

SNBFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	2.8 J	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	18.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.4 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426031 WW Group No. 1102543
Field Dup #5 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY FieldDup5

Collected: 07/25/2008 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20
Reported: 07/31/2008 at 21:46
Discard: 08/31/2008

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

SNBFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 00:33	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 00:33	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 00:33	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426032 WW Group No. 1102543
B-32 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-32

Collected: 07/25/2008 10:05 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	6.8	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	1.4	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	31.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426032 WW Group No. 1102543
B-32 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-32

Collected: 07/25/2008 10:05 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 00:53	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 00:53	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 00:53	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426033 WW Group No. 1102543
B-33 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-33

Collected: 07/25/2008 09:25 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Reported: 07/31/2008 at 21:46

Discard: 08/31/2008

Atlantic Richfield (Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

SNB33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426033 WW Group No. 1102543

B-33 Water

BP Sanborn COC: 181749

2040 Cory Dr - Sanborn, NY B-33

Collected: 07/25/2008 09:25 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 01:14	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 01:14	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 01:14	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426034 WW Group No. 1102543
B-46 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-46

Collected: 07/25/2008 11:00 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB46

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	2.7 J	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	18.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.2 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426034 WW Group No. 1102543
B-46 Water
BP Sanborn COC: 181749
2040 Cory Dr - Sanborn, NY B-46

Collected: 07/25/2008 11:00 by RCB

Account Number: 12495

Submitted: 07/26/2008 10:20

Atlantic Richfield (Parsons-NY)

Reported: 07/31/2008 at 21:46

BP Corporation

Discard: 08/31/2008

501 WestLake Park Blvd

Houston TX 77079

SNB46

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	07/29/2008 01:35	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	07/29/2008 01:35	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	07/29/2008 01:35	Holly Berry	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:47 PM

Group Number: 1102543

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: Y082102AA Sample number(s): 5426024-5426034									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	93		71-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	134		32-149		
Chloromethane	N.D.	1.0	5.0	ug/l	127		47-133		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	108		54-123		
Bromomethane	N.D.	1.0	5.0	ug/l	117		50-128		
Chloroethane	N.D.	1.0	5.0	ug/l	109		54-117		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	94		60-137		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	106		76-122		
Methylene Chloride	N.D.	2.0	5.0	ug/l	108		85-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		83-117		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	92		83-127		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		84-117		
Chloroform	N.D.	0.80	5.0	ug/l	92		77-125		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	101		83-127		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	90		77-130		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	86		69-135		
Trichloroethene	N.D.	1.0	5.0	ug/l	97		87-117		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		80-117		
Dibromomethane	N.D.	1.0	5.0	ug/l	95		87-117		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		83-121		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		86-113		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	100		76-118		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	93		78-119		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		85-115		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		83-114		
Bromoform	N.D.	1.0	5.0	ug/l	93		69-118		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		72-119		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		82-110		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		78-117		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		81-114		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		84-116		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		81-112		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		79-114		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95		78-114		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	91		51-142		

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: Y082102AA Sample number(s): 5426024-5426034 UNSPK: 5426028									

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:47 PM

Group Number: 1102543

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Benzyl Chloride	90	89	65-119	0	30				
Dichlorodifluoromethane	152	150	37-181	1	30				
Chloromethane	141	139	49-153	1	30				
Vinyl Chloride	121	126	59-143	1	30				
Bromomethane	123	130	54-140	6	30				
Chloroethane	114	113	60-140	1	30				
Trichlorofluoromethane	101	103	68-163	2	30				
1,1-Dichloroethene	123	118	87-145	4	30				
Methylene Chloride	107	108	79-133	1	30				
trans-1,2-Dichloroethene	104	102	82-133	2	30				
1,1-Dichloroethane	93	95	85-135	2	30				
cis-1,2-Dichloroethene	96 (2)	90 (2)	83-126	0	30				
Chloroform	93	95	83-139	2	30				
1,1,1-Trichloroethane	108	109	81-142	1	30				
Carbon Tetrachloride	98	98	82-149	0	30				
1,2-Dichloroethane	84	86	70-143	2	30				
Trichloroethene	101	100	83-136	1	30				
1,2-Dichloropropane	95	98	83-129	3	30				
Dibromomethane	97	96	82-128	2	30				
Bromodichloromethane	91	93	80-137	3	30				
1,1,2-Trichloroethane	97	96	77-125	1	30				
Tetrachloroethene	105	104	78-133	0	30				
Dibromochloromethane	92	93	80-128	0	30				
Chlorobenzene	100	100	83-120	0	30				
1,1,1,2-Tetrachloroethane	90	92	83-119	2	30				
Bromoform	89	91	64-119	2	30				
1,1,2,2-Tetrachloroethane	90	91	73-121	1	30				
Bromobenzene	96	95	83-121	0	30				
1,2,3-Trichloropropane	93	95	73-125	2	30				
1,3-Dichlorobenzene	96	98	79-123	3	30				
1,4-Dichlorobenzene	95	97	81-122	2	30				
1,2-Dichlorobenzene	94	96	82-117	2	30				
trans-1,3-Dichloropropene	89	89	77-123	0	30				
cis-1,3-Dichloropropene	95	94	80-126	0	30				
2-Chloroethyl Vinyl Ether	89	94	1-156	5	30				

Surrogate Quality Control

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

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082102AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5426024	91	93	90	84
5426025	91	95	90	84
5426026	91	94	89	83
5426027	91	93	89	83
5426028	91	95	91	84

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/31/08 at 09:47 PM

Group Number: 1102543

Surrogate Quality Control

5426029	90	93	91	88
5426030	91	94	91	88
5426031	91	94	90	84
5426032	92	92	90	83
5426033	92	94	89	82
5426034	92	94	91	85
Blank	90	93	90	83
LCS	91	95	91	88
MS	90	93	91	88
MSD	91	94	91	88
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 #: 1102543

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: 5426024, 5426025, 5426026, 5426027, 5426028, 5426029, 5426030, 5426031, 5426032, 5426033, 5426034

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

Atlantic Richfield Company



12495/1102543/5426024-35 181749

Page 1 of 2

Chain of Custody Record

Project Name: BP Sarban
 BP BU/AR Region/Enfos Segment: _____
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): 14 JAN

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Lancaster Labs</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Parsons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, PA 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sarban, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	Site Lat/Long:	Consultant/Contractor Project No.: <u>444183-0035</u>
Tele/Fax: <u>(717) 656-2300</u>	California Global ID No.:	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	Enfos Project No.: <u>00100-0126</u>	Tele/Fax: <u>(717) 459-4990</u>
Address: <u>4850 E 49th St. MBC-3</u> <u>Cuyahoga Hl. OH 44125</u>	Revision of OOC (circle one)	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8038</u>	Phase/WBS: <u>Orim 4b</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Sub Phase/Task: <u>Analytical 03</u>	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)
	Cost Element: <u>contractor labor 01</u>	

Invoice to: Consultant of: Dr. of Atlantic Richmond Co. (circle one)

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		

Sampler's Name: <u>Richard C. Becken</u>	Relinquished By / Affiliation: <u>Richard C. Becken</u>	Date: <u>7/25/08</u>	Time: <u>1915</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/26/08</u>	Time: <u>1020</u>
Sampler's Company: <u>Orim Enterprises Inc.</u>						
Shipment Date: <u>7/25/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864864811325</u>						

Special Instructions: _____

Custody Seals In Place <u>(Yes)</u> No	Temp Blank <u>(Yes)</u> No	Cooler Temp on Receipt: <u>50</u> °F/C	Trip Blank: <u>(Yes)</u> No	MS/MSD Sample Submitted: <u>(Yes)</u> No

Atlantic Richfield Company



A BP affiliated company

12495/1102543/54-26024-35

181748

Chain of Custody Record

Project Name: BP, Sarbarn
 BP BU/AR Region/Enfos Segment: _____
 State or Lead Regulatory Agency: _____
 Requested Due Date (mm/dd/yy): _____

Page 2 of 2

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: <u>Concealer Lab</u>	BP/AR Facility No.:	Consultant/Contractor: <u>Pargons</u>
Address: <u>2425 New Holland Pike</u> <u>Lancaster, Pa 17601</u>	BP/AR Facility Address: <u>2040 Cory Dr. Sarbarn, NY</u>	Address: <u>40 La Riviere Dr. Suite 350</u> <u>Buffalo, NY 14202</u>
Lab PM: <u>Jessica Heun</u>	California Global ID No.:	Consultant/Contractor Project No.: <u>44483.0035</u>
Tele/Fax: <u>(717) 656-2300</u>	Enfos Project No.: <u>00120-0126</u>	Consultant/Contractor PM: <u>George Hermance</u>
BP/AR EBM: <u>Bill Barber</u>	☒ Provision or OOC (circle one)	Tele/Fax: <u>(716) 409-4950</u>
Address: <u>4850 E 47th St. ABC-3</u> <u>Cuyahoga Hts, OH 44125</u>	Phase/WBS: <u>OHM 46</u>	Report Type & QC Level:
Tele/Fax: <u>(216) 271-8088</u>	Sub Phase/Task: <u>Analytical 03</u>	E-mail EDD To: <u>Lorraine Weber</u>
	Cost Element: <u>Contractor labor 01</u>	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis								Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol									
1	B-46	1100	7/25/08	X				3	X													med
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: <u>Richard C Becker</u>	Date: <u>7/25/08</u>	Time: <u>1915</u>	Accepted By / Affiliation: <u>[Signature]</u>	Date: <u>7/25/08</u>	Time: <u>1020</u>
Sampler's Company: <u>Orm Enterprises INC.</u>						
Shipment Date: <u>7/25/08</u>						
Shipment Method: <u>Fed Ex</u>						
Shipment Tracking No: <u>864 864 811 325</u>						

Special Instructions:

Custody Seals In Place: <u>Yes</u> / No	Temp Blank: <u>Yes</u> / No	Cooler Temp on Receipt: <u>5.0°C</u>	Trip Blank: <u>Yes</u> / No	MS/MSD Sample Submitted: <u>Yes</u> / No

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons
Date of Receipt: 7/26/08
Time of Receipt: 1020
Source Code: 50-1
Unpacker Emp. No.: 1454

Shipping Container Sealed: YES NO
Custody Seal Present: YES NO
Custody Seal Intact: YES NO NA
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	0129982	5.0-0	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:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>John Sawyer</u>	<u>7/26/08</u>	<u>1455</u>	Unpacking to storage
<u>Ken A. M.</u>	<u>7/26/08</u>	<u>1525</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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ANALYTICAL RESULTS

Prepared 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

SAMPLE GROUP

The sample group for this submittal is 1102751. Samples arrived at the laboratory on Tuesday, July 29, 2008. The PO# for this group is 001Q0-0126 and the release number is BARBER.

Client Description

B-56 Water
B-44 Water
B-57 Water
B-24 Water
B-58 Water
Trip Blank Water

Lancaster Labs Number

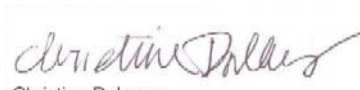
5426818
5426819
5426820
5426821
5426822
5426823

1 COPY TO Parsons
ELECTRONIC Parsons
COPY TO

Attn: George Hermance
Attn: Lorraine Weber

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

Respectfully Submitted,


Christine Dulaney
Senior Specialist

Lancaster Laboratories Sample No. 5426818 WW Group No. 1102751
B-56 Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY B-56

Collected: 07/28/2008 12:15 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield(Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	6.9	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	19.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426818 WW Group No. 1102751

B-56 Water

BP Sanborn COC: 181750

2040 Cory Dr.-Sanborn, NY B-56

Collected: 07/28/2008 12:15 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Reported: 08/06/2008 at 14:00

Discard: 09/06/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	08/01/2008 22:17	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	08/01/2008 22:17	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/01/2008 22:17	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426819 WW Group No. 1102751

B-44 Water

BP Sanborn COC: 181750

2040 Cory Dr.-Sanborn, NY B-44

Collected: 07/28/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Reported: 08/06/2008 at 14:00

Discard: 09/06/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDS44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	7.2	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	7.7	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	8.1	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	5.2	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426819 WW Group No. 1102751
B-44 Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY B-44

Collected: 07/28/2008 13:30 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield (Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method	As Received Limit of	Units	Dilution Factor
				Detection Limit*	Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	08/01/2008 22:38	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	08/01/2008 22:38	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/01/2008 22:38	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426820 WW Group No. 1102751
B-57 Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY B-57

Collected: 07/28/2008 13:00 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield (Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426820 WW Group No. 1102751

B-57 Water

BP Sanborn COC: 181750

2040 Cory Dr.-Sanborn, NY B-57

Collected: 07/28/2008 13:00 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield(Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method Detection Limit*	Limit of Quantitation		
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	08/01/2008 23:00	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	08/01/2008 23:00	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/01/2008 23:00	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426821 WW Group No. 1102751
B-24 Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY B-24

Collected: 07/28/2008 12:45 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield(Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	1.2 J	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426821 WW Group No. 1102751

B-24 Water

BP Sanborn COC: 181750

2040 Cory Dr.-Sanborn, NY B-24

Collected: 07/28/2008 12:45 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield(Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	08/01/2008 23:21	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	08/01/2008 23:21	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/01/2008 23:21	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426822 WW Group No. 1102751
B-58 Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY B-58

Collected: 07/28/2008 11:40 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield(Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS58

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	N.D.	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426822 WW Group No. 1102751

B-58 Water

BP Sanborn COC: 181750

2040 Cory Dr.-Sanborn, NY B-58

Collected: 07/28/2008 11:40 by RCB

Account Number: 12495

Submitted: 07/29/2008 09:20

Atlantic Richfield(Parsons-NY)

Reported: 08/06/2008 at 14:00

BP Corporation

Discard: 09/06/2008

501 WestLake Park Blvd

Houston TX 77079

CDS58

CAT No.	Analysis Name	CAS Number	As Received Result	As Received	As Received	Units	Dilution Factor
				Method	Limit of		
				Detection	Quantitation		
				Limit*			
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis			Dilution Factor
			Trial#	Date and Time	Analyst	
00310	8260B water special scan	SW-846 8260B	1	08/01/2008 23:42	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	08/01/2008 23:42	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/01/2008 23:42	Holly Berry	1

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

Lancaster Laboratories Sample No. 5426823 WW Group No. 1102751
Trip Blank Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY

Collected: 07/28/2008

Account Number: 12495

Submitted: 07/29/2008 09:20

Reported: 08/06/2008 at 14:00

Discard: 09/06/2008

Atlantic Richfield(Parsons-NY)

BP Corporation

501 WestLake Park Blvd

Houston TX 77079

CDST1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
00310	8260B water special scan						
02281	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	ug/l	1
05422	Bromobenzene	108-86-1	N.D.	1.0	5.0	ug/l	1
05432	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	ug/l	1
05433	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	ug/l	1
05435	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	ug/l	1
07583	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10.	ug/l	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
06886	Appendix IX by 8260 - water						
05384	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	ug/l	1
05385	Chloromethane	74-87-3	N.D.	1.0	5.0	ug/l	1
05386	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	ug/l	1
05387	Bromomethane	74-83-9	N.D.	1.0	5.0	ug/l	1
05388	Chloroethane	75-00-3	N.D.	1.0	5.0	ug/l	1
05389	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	ug/l	1
05390	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	ug/l	1
05391	Methylene Chloride	75-09-2	5.0 J	2.0	5.0	ug/l	1
05392	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	ug/l	1
05393	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	ug/l	1
05395	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	ug/l	1
05396	Chloroform	67-66-3	N.D.	0.80	5.0	ug/l	1
05398	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	ug/l	1
05399	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	ug/l	1
05402	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	ug/l	1
05403	Trichloroethene	79-01-6	N.D.	1.0	5.0	ug/l	1
05404	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	ug/l	1
05405	Dibromomethane	74-95-3	N.D.	1.0	5.0	ug/l	1
05406	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	ug/l	1
05408	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	ug/l	1
05409	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	ug/l	1
05411	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	ug/l	1
05413	Chlorobenzene	108-90-7	N.D.	0.80	5.0	ug/l	1
05414	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	ug/l	1

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

Lancaster Laboratories Sample No. 5426823 WW Group No. 1102751
Trip Blank Water
BP Sanborn COC: 181750
2040 Cory Dr.-Sanborn, NY

Collected: 07/28/2008

Account Number: 12495

Submitted: 07/29/2008 09:20
Reported: 08/06/2008 at 14:00
Discard: 09/06/2008

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

CDST1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Units	Dilution Factor
05419	Bromoform	75-25-2	N.D.	1.0	5.0	ug/l	1
05421	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	ug/l	1
05423	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	ug/l	1
06306	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	ug/l	1
06307	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	ug/l	1

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

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	Analysis Trial#	Date and Time	Analyst	Dilution Factor
00310	8260B water special scan	SW-846 8260B	1	08/03/2008 22:17	Holly Berry	1
06886	Appendix IX by 8260 - water	SW-846 8260B	1	08/03/2008 22:17	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	08/03/2008 22:17	Holly Berry	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 08/06/08 at 02:00 PM

Group Number: 1102751

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: Y082141AA Sample number(s): 5426818-5426822									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	94	90	71-120	5	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	127	116	32-149	9	30
Chloromethane	N.D.	1.0	5.0	ug/l	116	109	47-133	6	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	105	98	54-123	7	30
Bromomethane	N.D.	1.0	5.0	ug/l	104	97	50-128	7	30
Chloroethane	N.D.	1.0	5.0	ug/l	103	97	54-117	6	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	103	98	60-137	5	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	96	91	76-122	6	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	94	89	85-120	6	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95	90	83-117	6	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	95	89	83-127	6	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	94	89	84-117	6	30
Chloroform	N.D.	0.80	5.0	ug/l	97	89	77-125	8	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	108	99	83-127	9	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	96	89	77-130	7	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	96	91	69-135	6	30
Trichloroethene	N.D.	1.0	5.0	ug/l	96	87	87-117	10	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	96	90	80-117	6	30
Dibromomethane	N.D.	1.0	5.0	ug/l	94	90	87-117	5	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	96	91	83-121	6	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	93	90	86-113	3	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	97	89	76-118	8	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	95	90	78-119	6	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	94	89	85-115	5	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	94	90	83-114	4	30
Bromoform	N.D.	1.0	5.0	ug/l	93	90	69-118	4	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	92	91	72-119	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	95	90	82-110	6	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	93	90	78-117	4	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94	88	81-114	7	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94	88	84-116	7	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	94	89	81-112	5	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	94	90	79-114	5	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95	90	78-114	5	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	94	90	51-142	4	30
Batch number: Y082161AA Sample number(s): 5426823									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	88	88	64-119	1	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	116	108	45-158	8	30
Chloromethane	N.D.	1.0	5.0	ug/l	109	101	47-133	8	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	100	96	62-128	5	30
Bromomethane	N.D.	1.0	5.0	ug/l	99	95	50-128	4	30
Chloroethane	N.D.	1.0	5.0	ug/l	99	94	56-128	5	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	103	94	60-137	8	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	91	87	76-122	5	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	91	88	85-120	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)
Reported: 08/06/08 at 02:00 PM

Group Number: 1102751

Laboratory Compliance Quality Control

<u>Analysis Name</u>	<u>Blank Result</u>	<u>Blank MDL**</u>	<u>Blank LOQ</u>	<u>Report Units</u>	<u>LCS %REC</u>	<u>LCSD %REC</u>	<u>LCS/LCSD Limits</u>	<u>RPD</u>	<u>RPD Max</u>
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	90	86	83-117	4	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	91	86	83-127	5	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	90	86	84-117	4	30
Chloroform	N.D.	0.80	5.0	ug/l	90	87	77-125	3	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	101	96	83-127	5	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	90	86	77-130	4	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	90	90	69-135	1	30
Trichloroethene	N.D.	1.0	5.0	ug/l	89	87	87-117	3	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	90	87	80-117	3	30
Dibromomethane	N.D.	1.0	5.0	ug/l	89	87	87-117	2	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	90	87	83-121	3	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	86	87	86-113	1	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	93	89	76-118	4	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	88	86	78-119	2	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	90	87	85-115	4	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	89	87	83-114	2	30
Bromoform	N.D.	1.0	5.0	ug/l	85	85	69-118	1	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	88	87	72-119	0	30
Bromobenzene	N.D.	1.0	5.0	ug/l	91	90	82-110	1	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	88	91	78-117	3	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	88	87	81-114	2	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	89	87	84-116	3	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	87	86	81-112	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	87	86	79-114	1	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	89	87	78-114	3	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10.	ug/l	89	88	51-142	1	30

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS %REC</u>	<u>MSD %REC</u>	<u>MS/MSD Limits</u>	<u>RPD</u>	<u>RPD MAX</u>	<u>BKG Conc</u>	<u>DUP Conc</u>	<u>DUP RPD</u>	<u>Dup RPD Max</u>
Batch number: Y082141AA	Sample number(s): 5426818-5426822 UNSPK: P423316								
Benzyl Chloride	88		65-119						
Dichlorodifluoromethane	129		37-181						
Chloromethane	117		49-153						
Vinyl Chloride	113		59-143						
Bromomethane	106		54-140						
Chloroethane	107		60-140						
Trichlorofluoromethane	113		68-163						
1,1-Dichloroethene	102		87-145						
Methylene Chloride	90		79-133						
trans-1,2-Dichloroethene	96		82-133						
1,1-Dichloroethane	96		85-135						
cis-1,2-Dichloroethene	95		83-126						
Chloroform	94		83-139						
1,1,1-Trichloroethane	110		81-142						
Carbon Tetrachloride	100		82-149						
1,2-Dichloroethane	94		70-143						
Trichloroethene	97		83-136						
1,2-Dichloropropane	95		83-129						

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 08/06/08 at 02:00 PM

Group Number: 1102751

Sample Matrix Quality Control

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

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

<u>Analysis Name</u>	<u>MS</u> <u>%REC</u>	<u>MSD</u> <u>%REC</u>	<u>MS/MSD</u> <u>Limits</u>	<u>RPD</u>	<u>RPD</u> <u>MAX</u>	<u>BKG</u> <u>Conc</u>	<u>DUP</u> <u>Conc</u>	<u>DUP</u> <u>RPD</u>	<u>Dup RPD</u> <u>Max</u>
Dibromomethane	91		82-128						
Bromodichloromethane	94		80-137						
1,1,2-Trichloroethane	90		77-125						
Tetrachloroethene	117		78-133						
Dibromochloromethane	91		80-128						
Chlorobenzene	94		83-120						
1,1,1,2-Tetrachloroethane	94		83-119						
Bromoform	89		64-119						
1,1,2,2-Tetrachloroethane	88		73-121						
Bromobenzene	94		83-121						
1,2,3-Trichloropropane	89		73-125						
1,3-Dichlorobenzene	91		79-123						
1,4-Dichlorobenzene	91		81-122						
1,2-Dichlorobenzene	92		82-117						
trans-1,3-Dichloropropene	91		77-123						
cis-1,3-Dichloropropene	91		80-126						
2-Chloroethyl Vinyl Ether	91		1-156						
Batch number: Y082161AA	Sample number(s): 5426823 UNSPK: P430510								
Benzyl Chloride	90		65-119						
Dichlorodifluoromethane	132		52-192						
Chloromethane	120		58-157						
Vinyl Chloride	115		68-147						
Bromomethane	107		54-140						
Chloroethane	111		60-140						
Trichlorofluoromethane	116		68-163						
1,1-Dichloroethene	102		87-145						
Methylene Chloride	92		79-133						
trans-1,2-Dichloroethene	98		82-133						
1,1-Dichloroethane	97		85-135						
cis-1,2-Dichloroethene	95		83-126						
Chloroform	95		83-139						
1,1,1-Trichloroethane	110		81-142						
Carbon Tetrachloride	100		82-149						
1,2-Dichloroethane	95		70-143						
Trichloroethene	97		83-136						
1,2-Dichloropropane	95		83-129						
Dibromomethane	91		82-128						
Bromodichloromethane	91		80-137						
1,1,2-Trichloroethane	90		77-125						
Tetrachloroethene	100		78-133						
Dibromochloromethane	89		80-128						
Chlorobenzene	95		83-120						
1,1,1,2-Tetrachloroethane	94		83-119						
Bromoform	84		64-119						
1,1,2,2-Tetrachloroethane	90		73-121						
Bromobenzene	94		83-121						
1,2,3-Trichloropropane	91		73-125						
1,3-Dichlorobenzene	92		79-123						
1,4-Dichlorobenzene	93		81-122						
1,2-Dichlorobenzene	90		82-117						
trans-1,3-Dichloropropene	83		77-123						
cis-1,3-Dichloropropene	85		72-124						

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 08/06/08 at 02:00 PM

Group Number: 1102751

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
2-Chloroethyl Vinyl Ether	0*		1-156						

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: Appendix IX by 8260 - water

Batch number: Y082141AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5426818	88	88	89	87
5426819	88	91	90	88
5426820	89	90	90	86
5426821	88	88	90	87
5426822	88	89	90	88
Blank	88	88	89	87
LCS	90	92	89	88
LCSD	88	91	90	88
MS	88	88	90	88
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Appendix IX by 8260 - water

Batch number: Y082161AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
5426823	89	91	88	85
Blank	88	89	89	86
LCS	88	91	90	86
LCSD	87	91	89	87
MS	88	92	89	86
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 #: 1102751

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 #: Y082161AA (Sample number(s): 5426823 UNSPK: P430510)

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

06886: Appendix IX by 8260 - water

Sample #s: 5426818, 5426819, 5426820, 5426821, 5426822, 5426823

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

acct# 12495 Cnp# 1102751

**Atlantic
Richfield
Company**

A BP affiliated company

Chain of Custody Record

Project Name:

BP BU/AR Region/Enfos Segment:

State or Lead Regulatory Agency:

Requested Due Date (mm/dd/yy): 1/4 TAT

Sample# 5426818-23
181750

Page 1 of 1

On-site Time:	Temp:
Off-site Time:	Temp:
Sky Conditions:	
Meteorological Events:	
Wind Speed:	Direction:

Lab Name: Lancaster Laboratories	BP/AR Facility No.:	Consultant/Contractor: Parsons
Address: 2425 New Holland Pike Lancaster, PA 17601	BP/AR Facility Address: 2040 Condr. Sarbarn, NY	Address: 40 LA Riviere Dr. Suite 350 Buffalo, NY 14202
Lab PM: Jessica Heun	California Global ID No.:	Consultant/Contractor Project No.: 444183.01035
Tele/Fax: (717) 656-2300	Enfos Project No.: 50100 - 0126	Consultant/Contractor PM: George Hernandez
BP/AR EBM: Bill Barber	Provision or OOC (circle one)	Tele/Fax: (716) 407-4990
Address: 4858 E 49th St. MBC-3 Cuyahoga Hts, OH 44125	Phase/WBS: O&M 40	Report Type & QC Level:
Tele/Fax: (216) 271-8038	Sub Phase/Task: Analytical 03	E-mail EDD To: Lorriane Weber
	Cost Element: contractor labor 01	Invoice to: Consultant or BP or Atlantic Richfield Co. (circle one)

Lab Bottle Order No:				Matrix			Laboratory No.	No. of Containers	Preservative					Requested Analysis										Sample Point Lat/Long and Comments
Item No.	Sample Description	Time	Date	Soil/Solid	Water/Liquid	Air			Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											
1	B-56	1215	7/25/08	X				3	X					X										high
2	B-44	1530	7/25/08	X				2	X					X										med
3	B-51	1300	7/25/08	X				3	X					X										low
4	B-24	1245	7/25/08	X				3	X					X										med
5	B-58	1140	7/25/08	X				3	X					X										low
6																								
7																								
8																								
9																								
10																								

Sampler's Name: Richard C Backen	Relinquished By / Affiliation: Richard C Backen	Date: 7/25/08	Time: 1545	Accepted By / Affiliation: [Signature]	Date: 7-29-08	Time: 0920
Sampler's Company: O&M Enterprises Inc.						
Shipment Date: 7/25/08						
Shipment Method: Fed Ex						
Shipment Tracking No: 864864811406						

Special Instructions:

Custody Seals In Place (Yes) No

Temp Blank: (Yes) No

Cooler Temp on Receipt: 3.6°C

Trip Blank: (Yes) No

MS/MSD Sample Submitted: Yes (No)

Laboratory Copy

BP COC Rev. 5 10/11/2006

**Environmental Sample Administration
Receipt Documentation Log**

Client/Project: Atlantic Richfield Shipping Container Sealed: YES NO
 Date of Receipt: 7-29-08 Custody Seal Present: YES NO
 Time of Receipt: 0920 Custody Seal Intact: YES NO NA
 Source Code: SO-1 Package: Chilled Not Chilled
 Unpacker Emp. No.: 2132

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	3.6°	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Shirley Meyer</u>	<u>7-29-08</u>	<u>1259</u>	Unpacking to storage
<u>Sammy Helms</u>	<u>7/29/08</u>	<u>1322</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Lancaster Laboratories

Explanation of Symbols and Abbreviations

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

N.D.	none detected	BMQL	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	MPN	Most Probable Number
IU	International Units	CP Units	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	NTU	nephelometric turbidity units
C	degrees Celsius	F	degrees Fahrenheit
Cal	(diet) calories	lb.	pound(s)
meq	milliequivalents	kg	kilogram(s)
g	gram(s)	mg	milligram(s)
ug	microgram(s)	l	liter(s)
ml	milliliter(s)	ul	microliter(s)
m3	cubic meter(s)	fib >5 um/ml	fibers greater than 5 microns in length per ml
<	less than – The number following the sign is the <u>limit of quantitation</u> , the smallest amount of analyte which can be reliably determined using this specific test.		
>	greater than		
ppm	parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.		

U.S. EPA data qualifiers:

Organic Qualifiers

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

Inorganic Qualifiers

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

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

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

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

APPENDIX C

WATER QUALITY DATABASE
JANUARY 2001 THROUGH SEPTEMBER 2008

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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663816	8021	ND	ND	ND	ND	0.58 J	1.6	61	ND	5.5	ND	1.5 J	70.18
07/12/2002	A2713906	8021	ND	ND	ND	ND	ND	1.5	47	ND	5	ND	5.6	59.1
07/08/2003	A3649109	8021	ND	ND	ND	ND	ND	2.3	67	ND	7.8	ND	6.4	83.5
07/06/2004	A4636506	8021	ND	ND	ND	ND	ND	1.9	38	ND	8.2	ND	10	58.1
07/14/2005	A5740502	8260/5ML	ND	ND	ND	ND	ND	1.8	36	ND	5.4	ND	12	55.2
07/14/2006	6G14010-07	8260B	ND	ND	ND	ND	ND	2	28	ND	5	ND	20	55
07/09/2007	7G10002-02	8260B	ND	ND	ND	ND	ND	1	24	ND	4	ND	22	51
07/23/2008	5423255	8260B	ND	ND	ND	ND	ND	1.8 J	41	ND	5.1	ND	12	59.9

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- 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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 6M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 7M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 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	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
07/19/2004	A4682701	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
10/15/2004	A4A20302	8021	ND	ND	ND	3.6	ND	6.5	980 D	ND	15000 D	4	17	16011.1
01/12/2005	A5036104	8260	ND	ND	ND	ND	ND	ND	920	ND	65000 E	ND	ND	65920
01/12/2005	A5036104DL	8260							860 D		51000 D			51860
04/19/2005	A5387403	8260	ND	ND	ND	ND	ND	ND	430	ND	18000	ND	ND	18430
07/15/2005	A5747101	8260/5ML	ND	ND	ND	ND	200	ND	3300	ND	34000 E	ND	320	37820
07/15/2005	A5747101DL	8260/5ML	ND	ND	ND	ND	870 D	ND	2700 D	ND	29000 D	ND	250 D	32820
10/24/2005	A5B97301	8260	ND	ND	0.93 J	12	ND	13	1400 E	0.61 J	12000 E	5.4	42	13473.94
10/24/2005	A5B97301DL	8260	ND	ND	ND	ND	ND	ND	880 D	ND	56000 BD	ND	ND	56880
01/26/2006	A6102405	8260	ND	ND	ND	ND	ND	ND	1000	ND	36000	ND	ND	37000
04/19/2006	6D20002-03RE1	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

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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- 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

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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-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	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	8260B	ND	ND	ND	ND	ND	ND	5	3	30	ND	ND	38
07/18/2006	6G19003-01	8260B	ND	ND	ND	ND	4 B	ND	13	6	42	ND	ND	65
10/11/2006	6J12003-07RE1	8260B	ND	ND	ND	ND	ND	ND	9	5	53	ND	ND	67
04/18/2007	7D19009-02	8260B	ND	ND	ND	ND	ND	ND	4	3	27	ND	ND	34
07/10/2007	7G11015-04	8260B	ND	ND	ND	ND	ND	ND	6	4	36	ND	ND	46
10/09/2007	7J10006-11	8260B	ND	ND	ND	ND	ND	1	15	5	51	ND	ND	72
04/09/2008	8D10002-01	8260B	ND	ND	ND	ND	3	ND	7	3	58	ND	ND	71
07/24/2008	5424625	8260B	ND	ND	ND	ND	ND	0.81 J	8.4	4.2 J	43	ND	ND	56.41

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-12M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732704	8021	ND	ND	1	ND	ND	ND	30	1.4	74	ND	ND	106.4
07/02/2003	A3639710	8021	ND	ND	8.3	1.8	ND	3.8	87 D	26	82	ND	ND	208.9
06/29/2004	A4614512	8021	ND	ND	4	ND	ND	2.7	71	8.3	240	ND	ND	326
07/08/2005	A5715203	8260/5ML	ND	ND	0.56 J	ND	ND	ND	7.3	1.1	30	ND	ND	38.96
07/18/2006	6G19003-15	8260B	ND	ND	9	3	5 B	4	164	8	581 D	ND	6	780
07/09/2007	7G10002-04RE1	8260B	ND	ND	1	ND	ND	ND	20	2	77	ND	ND	100
07/16/2008	5417452	8260B	ND	ND	69	13	ND	7.8 J	560	110	1600	ND	17	2376.8

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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732701	8021	ND	ND	ND	ND	ND	ND	160	ND	730	ND	ND	890
07/02/2003	A3639711	8021	ND	ND	ND	ND	ND	0.83 J	39	ND	260 D	ND	ND	299.83
06/29/2004	A4614507	8021	ND	ND	ND	ND	12	ND	9.1	ND	120	ND	ND	141.1
06/29/2004	A4614507RE	8021	ND	ND	ND	ND	13	ND	10	ND	130	ND	ND	153
07/08/2005	A5715204	8260/5ML	ND	ND	ND	ND	ND	1.8	96	ND	560 E	9	ND	666.8
07/08/2005	A5715204DL	8260/5ML	ND	ND	ND	ND	ND	ND	81 D	ND	500 D	6.7 D	ND	587.7
07/13/2006	6G14009-04	8260B	ND	ND	ND	ND	ND	ND	306	ND	1500 D	9	17	1832
07/10/2007	7G11015-02RE1	8260B	ND	ND	ND	ND	ND	ND	67	ND	541	11	ND	619
07/21/2008	5420898	8260B	ND	ND	ND	ND	ND	1.1 J	130	ND	300	3.9 J	ND	435

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented 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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793603	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.4
07/15/2003	A3670606	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762203	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-12	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.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732702	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	2.3
07/02/2003	A3639712	8021	ND	ND	ND	ND	ND	ND	ND	ND	4.7	ND	ND	4.7
07/02/2003	A3639712RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/29/2004	A4614510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	0.77
07/13/2006	6G14009-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418429	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-18M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035110	8021	ND	ND	1.4	ND	ND	ND	6.4	1.5	0.32 J	ND	1.4 J	11.02
04/19/2001	A1361309	624	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
07/12/2001	A1663806	8021	ND	ND	0.32 J	ND	ND	ND	5.5	0.27 J	0.95 J	ND	0.56 J	7.6
10/12/2001	A1A01005	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.25 J	ND	0.24 J	2.89
01/14/2002	A2039401	8021	ND	ND	0.25 J	ND	ND	ND	3.4	0.25 J	0.98 J	ND	1 J	5.88
04/08/2002	A2332601	8260	ND	ND	0.37 J	ND	ND	ND	3.4	0.22 J	0.37 J	0.24 J	0.35 J	4.95
07/08/2002	A2695501	8021	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	4.6
10/02/2002	A2980601	8021	ND	ND	0.32 J	ND	ND	ND	4.2	0.36 J	1.1 J	ND	0.43 J	6.41
01/13/2003	A3038002	8021	ND	ND	ND	ND	ND	ND	2.9	ND	1.4	ND	0.37 J	4.67
04/22/2003	A3376401	8021	ND	ND	0.31 J	ND	ND	ND	4.6	0.33 J	ND	ND	0.92 J	6.16
07/14/2003	A3670601	8021	ND	ND	0.24 J	ND	ND	ND	4.9	0.21 J	0.28 J	ND	0.51 J	6.14
10/15/2003	A3998704	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/07/2004	A4012301	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/27/2004	A4387401	8021	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	7.2
07/13/2004	A4664209	8021	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
10/13/2004	A4A09501	8021	ND	ND	ND	ND	ND	ND	11	0.57 J	ND	ND	1	12.57
01/12/2005	A5036401	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.41 J	ND	0.98 J	5.09
04/04/2005	A5307808	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.32 BJ	ND	0.75 J	4.77
07/21/2005	A5768301	8260/5ML	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	1 J	7.3
10/20/2005	A5B91902	8260	ND	ND	ND	ND	ND	ND	4	ND	0.51 J	ND	0.92 J	5.43
01/24/2006	A6089112	8260	ND	ND	ND	ND	ND	ND	4.2	ND	0.56 J	ND	1.3 J	6.06
04/18/2006	6D19002-04	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
07/14/2006	6G14010-06	8260B	ND	ND	ND	ND	8	ND	3	ND	ND	ND	ND	11
10/11/2006	6J12003-08	8260B	ND	ND	ND	ND	ND	ND	5	ND	1	ND	ND	6
01/08/2007	7A09003-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/12/2007	7D13007-02	8260B	ND	ND	ND	ND	8	ND	4	ND	ND	ND	ND	12
07/10/2007	7G11015-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
10/09/2007	7J10006-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	16	ND	ND	18
01/07/2008	8A08003-05	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
04/10/2008	8D11008-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/16/2008	5417449	8260B	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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

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-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

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-22M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035101	8021	ND	1.3	ND	ND	4.2	ND	110	ND	4.4	ND	9.6	129.5
04/23/2001	A1375207	8021	ND	ND	ND	ND	ND	ND	510	ND	50	ND	ND	560
07/18/2001	A1682908	8021	ND	ND	ND	ND	2.5	1	130	ND	13	ND	7	153.5
10/17/2001	A1A23305	8021	ND	ND	ND	ND	ND	1.5	230	ND	13	ND	36	280.5
01/23/2002	A2076701	8021	ND	ND	7.6	4.6	2.1 J	21	1400 D	ND	110 D	ND	9.6	1554.9
04/18/2002	A2378801	8021	ND	ND	ND	ND	0.8 J	ND	130	ND	9.2	ND	36	176
07/15/2002	A2722901	8021	ND	ND	ND	ND	2.2 J	1.4	91	ND	4.9	ND	8.1	107.6
10/15/2002	A2A23601	8021	ND	ND	ND	ND	ND	ND	79	ND	6.2	ND	13	98.2
01/22/2003	A3068901	8021	ND	ND	ND	ND	ND	0.94 J	80	ND	3.2	ND	12	96.14
04/24/2003	A3389602	8021	ND	ND	ND	ND	1.6 J	ND	130	ND	13	ND	30	174.6
07/17/2003	A3683901	8021	ND	ND	ND	ND	ND	ND	140	ND	5	ND	13	158
10/21/2003	A3A21902	8021	ND	ND	ND	ND	ND	ND	160	ND	5.7	ND	2.3	168
04/30/2004	A4402503	8021	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	40	139
07/15/2004	A4674303	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
07/15/2004	A4674303	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
10/18/2004	A4A27701	8021	ND	ND	ND	ND	ND	ND	90	ND	13	ND	ND	103
01/20/2005	A5057501	8260	ND	ND	2.8	1.6	ND	16	300 E	0.34 J	110 E	ND	2.2	432.94
01/20/2005	A5057501DL	8260					33 D	9.4 D	340 D		56 D			438.4
04/26/2005	A5414404	8260	ND	ND	ND	ND	ND	7	250	ND	33	ND	ND	290
07/25/2005	A5790401	8260/5ML	ND	ND	ND	ND	ND	1.6	110	ND	14	ND	7.8	133.4
10/21/2005	A5B92801	8260	ND	ND	ND	ND	ND	0.61 J	36	ND	3.9	ND	1.2 J	41.71
01/24/2006	A6089102	8260	ND	ND	2.9	1.4	ND	15	480 E	ND	90	ND	3.1	592.4
01/24/2006	A6089102DL	8260	ND	ND	ND	ND	ND	15 D	460 D	ND	93 D	ND	ND	568
04/19/2006	6D20002-01	8260B	ND	ND	ND	ND	ND	1	61	ND	17	ND	14	93
07/17/2006	6G18004-05	8260B	ND	ND	ND	ND	ND	ND	29	ND	5	ND	2	36
10/10/2006	6J11002-08	8260B	ND	ND	ND	ND	ND	1	66	ND	10	ND	4	81
01/11/2007	7A12004-02	8260B	ND	ND	3	ND	ND	14	370 D	ND	89	ND	ND	476
04/19/2007	7D20005-01	8260B	ND	ND	ND	ND	ND	5	136	ND	35	ND	5	181
07/18/2007	7G19011-02	8260B	ND	ND	ND	ND	ND	ND	26	ND	5	ND	ND	31
10/11/2007	7J12012-03	8260B	ND	ND	ND	ND	ND	ND	24	ND	4	ND	ND	28
01/09/2008	8A10002-01	8260B	ND	ND	ND	ND	ND	ND	17	ND	3	ND	3	23
04/08/2008	8D09003-07	8260B	ND	ND	2	1	6	10	301 D	ND	95	ND	2	417
07/21/2008	5420900	8260B	ND	ND	ND	ND	ND	ND	24	ND	4.9 J	ND	1.2 J	30.1

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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-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

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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-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-25M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- 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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639715	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715202	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-03	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/18/2007	7G19011-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/24/2008	5424621	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035102	8021	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	1.5
04/23/2001	A1375205	8021	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	0.66
07/18/2001	A1682909	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347902	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	0.25
07/10/2002	A2708304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2005	A5038302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317606	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2005	A5724501	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-06RE1	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
10/10/2006	6J11002-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/2007	7A12004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420901	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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	8021	ND	ND	ND	ND	ND	ND	39 E	ND	ND	ND	2.5 E	41.5
07/20/2004	A4682903	8260	ND	ND	ND	ND	2.2 J	0.76 J	31	ND	0.83 J	ND	ND	34.79
10/20/2004	A4A32101	8021	ND	31	ND	ND	ND	0.52 J	ND	ND	0.67 J	ND	4.3	36.49
01/13/2005	A5036405	8260	ND	ND	0.81 J	0.61 J	ND	1.3	71 E	ND	17	ND	3.4	94.12
01/13/2005	A5036405DL	8260							69 D		16 D		2.8 D	87.8
04/19/2005	A5387302	8260	ND	ND	0.45 J	0.48 J	ND	0.4 J	42 E	ND	7.3	ND	3.9	54.53
04/19/2005	A5387302DL	8260	ND	ND	ND	ND	1.9 DJ	ND	34 D	ND	5.8 D	ND	3 D	44.7
07/19/2005	A5762201	8260/5ML	ND	ND	ND	ND	ND	1.1	39	ND	ND	ND	10	50.1
07/20/2006	6G21005-07	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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-37M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- 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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/19/2001	A1056801	8021	ND	ND	ND	ND	ND	ND	45	ND	0.4 J	ND	ND	45.4
04/24/2001	A1375202	8021	ND	ND	ND	ND	ND	ND	48	ND	2.5	ND	ND	50.5
07/18/2001	A1682907	8021	ND	ND	ND	ND	ND	0.26 J	44	ND	1.8	ND	ND	46.06
10/19/2001	A1A28801	8021	ND	ND	ND	ND	ND	ND	43	ND	4.9	ND	1.1 J	49
01/21/2002	A2066004	8021	ND	ND	ND	ND	ND	0.51 J	48	ND	3.2	ND	ND	51.71
04/16/2002	A2370103	8021	ND	ND	0.49 J	0.26 J	ND	0.96 J	81 D	ND	3.7	ND	3.4	89.81
07/11/2002	A2708313	8021	ND	ND	0.42 J	ND	ND	1.1	84	ND	5.1	ND	ND	90.62
10/08/2002	A2999309	8021	ND	1.6	ND	ND	ND	ND	52	ND	4.8	ND	ND	58.4
10/15/2002	A2A23604	8021	ND	ND	ND	ND	ND	ND	41	ND	4.6	ND	ND	45.6
01/16/2003	A3055801	8021	ND	ND	ND	ND	ND	0.54 J	80	ND	7.8	ND	1.4 J	89.74
04/08/2003	A3329506	8021	ND	ND	ND	ND	3.4	ND	51	ND	3.9	ND	1.1 J	59.4
07/08/2003	A3649102	8021	ND	ND	ND	ND	2 J	ND	71	ND	2.8	ND	ND	75.8
10/13/2003	A3991401	8021	ND	ND	ND	ND	ND	ND	94	ND	6.1	ND	ND	100.1
01/09/2004	A4026202	8021	ND	ND	ND	ND	ND	ND	100	ND	8	ND	ND	108
04/13/2004	A4331805	8021	ND	ND	ND	ND	ND	1.1	88	ND	12	ND	ND	101.1
07/06/2004	A4636505	8021	ND	ND	1.6	1.9	ND	1.9	110	ND	23	ND	2	140.4
10/26/2004	A4A60201	8021	ND	ND	1.2	0.57 J	ND	1.3	140 E	ND	21	ND	0.85 J	164.92
01/20/2005	A5057701	8260	ND	ND	0.82 J	ND	1.1 J	0.91 J	74	ND	19	ND	ND	95.83
04/05/2005	A5317801	8260	ND	ND	1	0.63 J	ND	1.6	90 E	ND	31	ND	1.8	126.03
04/05/2005	A5317801DL	8260	ND	ND	ND	ND	2.8 D	ND	73 D	ND	24 D	ND	ND	99.8
07/11/2005	A5724702	8260/5ML	ND	ND	0.81 J	0.71 J	ND	1.3	73	ND	24	ND	ND	99.82
10/21/2005	A5B92601	8260	ND	ND	0.84 J	0.74 J	ND	1	78	ND	27	ND	1.8	109.38
01/24/2006	A6089104	8260	ND	ND	1.2	0.72 J	ND	1.3	81	ND	25	ND	2	111.22
04/13/2006	6D14002-05	8260B	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260B	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260B	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260B	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260B	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260B	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260B	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57
01/09/2008	8A10002-04	8260B	ND	ND	ND	ND	ND	ND	63	ND	29	ND	3	95
04/08/2008	8D09003-01	8260B	ND	ND	ND	ND	2 B	ND	39	ND	12	ND	ND	53
07/25/2008	5426024	8260B	ND	ND	ND	ND	ND	0.88 J	48	ND	21	ND	ND	69.88

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-39M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035106	8021	ND	ND	ND	ND	ND	0.21 J	4.5	ND	8.7	ND	ND	13.41
04/19/2001	A1361308	624	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND	ND	0.32
07/10/2001	A1648711	8021	ND	ND	ND	ND	ND	ND	0.84 J	ND	2.6	ND	ND	3.44
10/18/2001	A1A23312	8021	ND	ND	ND	ND	ND	ND	11	ND	97	ND	ND	108
01/24/2002	A2076707	8021	ND	ND	ND	ND	1.9 J	ND	ND	ND	5.9	ND	ND	7.8
04/15/2002	A2370202	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	2.4
07/16/2002	A2722906	8021	ND	ND	ND	ND	ND	ND	0.31 J	ND	2	ND	ND	2.31
10/08/2002	A2999101	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	2.4	ND	ND	2.67
01/23/2003	A3075201	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
04/25/2003	A3389603	8021	ND	ND	ND	ND	ND	ND	0.61 J	ND	2.8	ND	ND	3.41
07/21/2003	A3699404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	2.6	ND	ND	3.8
10/22/2003	A3A21903	8021	ND	ND	ND	ND	ND	ND	5.4	ND	7.4	ND	ND	12.8
01/21/2004	A4053401	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.5	ND	ND	10.8
04/29/2004	A4402502	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	3.6
07/16/2004	A4674301	8260	ND	ND	ND	ND	ND	ND	4	ND	10	ND	ND	14
07/16/2004	A4674301	8021	ND	ND	ND	ND	ND	ND	4.9 E	ND	8.4	ND	ND	13.3
10/12/2004	A4A09405	8021	ND	ND	ND	ND	ND	ND	4	ND	8.1	ND	ND	12.1
01/12/2005	A5036106	8260	ND	ND	ND	ND	ND	ND	1.9	ND	140 E	ND	ND	141.9
01/12/2005	A5036106DL	8260									94 D			94
04/26/2005	A5414401	8260	ND	ND	ND	ND	ND	ND	0.8 J	ND	4.3	ND	ND	5.1
07/26/2005	A5791601	8260/5ML	ND	ND	ND	ND	ND	ND	3.3	ND	8.5	ND	ND	11.8
10/21/2005	A5B92802	8260	ND	ND	ND	ND	ND	ND	2	ND	4.8	ND	ND	6.8
01/26/2006	A6102406	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/20/2006	6D21003-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
07/18/2006	6G19003-03	8260B	ND	ND	ND	ND	4 B	ND	7	ND	7	ND	ND	18
10/11/2006	6J12003-06RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
01/09/2007	7A10006-04	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/17/2007	7D18003-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	5	ND	ND	7
07/16/2007	7G17015-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
10/15/2007	7J16003-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	14	ND	ND	18
04/15/2008	8D16011-02	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	3	ND	ND	8
07/24/2008	5424626	8260B	ND	ND	ND	ND	ND	ND	0.9 J	ND	4.1 J	ND	ND	5

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-40M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	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

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	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/18/2006	6G19003-02	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
10/12/2006	6J16007-01RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2007	7A10006-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
04/17/2007	7D18003-03	8260B	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
07/16/2007	7G17015-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
10/15/2007	7J16003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2008	8A10002-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/16/2008	8D16026-01	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
07/16/2008	5417443	8260B	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5

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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-42M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035114	8021	ND	ND	ND	ND	2.1 J	1.2	51	ND	23	ND	ND	77.3
04/20/2001	A1366404	624	ND	ND	ND	ND	ND	ND	39	ND	380 D	ND	ND	419
07/11/2001	A1648704	8021	ND	ND	0.27 J	ND	ND	1.4	45	ND	14	ND	9.4	70.07
10/17/2001	A1A23307	8021	ND	ND	ND	ND	ND	0.4 J	12	ND	3	ND	ND	15.4
11/12/2001	A1B23801	8021	ND	ND	ND	ND	ND	0.56 J	8	ND	4	ND	ND	12.56
01/24/2002	A2076710	8021	ND	ND	ND	ND	ND	0.5 J	8.2	ND	4.8	ND	0.44 J	13.94
04/18/2002	A2378803	8021	ND	ND	ND	ND	ND	0.43 J	4.2	ND	4.1	ND	ND	8.73
07/16/2002	A2722908	8021	ND	ND	ND	ND	ND	0.6 J	8.2	ND	3.9	ND	ND	12.7
10/11/2002	A2A14401	8021	ND	ND	ND	ND	ND	1.5	16	ND	6	ND	ND	23.5
01/23/2003	A3075204	8021	ND	ND	ND	ND	ND	ND	8.9	ND	12	ND	ND	20.9
04/23/2003	A3376302	8021	ND	ND	ND	ND	ND	1.2	12	ND	6.9	ND	0.67 J	20.77
07/22/2003	A3699405	8021	ND	ND	ND	ND	ND	1	15	ND	5.2	ND	ND	21.2
10/22/2003	A3A28303	8021	ND	ND	ND	ND	ND	2	28	ND	8.2	ND	1.4 J	39.6
01/21/2004	A4053402	8021	ND	ND	ND	ND	ND	ND	11	ND	6.9	ND	ND	17.9
04/28/2004	A4387603	8021	ND	ND	ND	ND	ND	1.1	10	ND	4.9	ND	ND	16
07/09/2004	A4647101	8021	ND	ND	ND	ND	ND	1	8.5	ND	4.3	ND	ND	13.8
10/08/2004	A4994202	8021	ND	ND	ND	ND	ND	ND	6.2	ND	3.5	ND	ND	9.7
01/18/2005	A5051101	8260	ND	ND	ND	ND	ND	0.34 J	2.6	ND	2.6	ND	ND	5.54
04/26/2005	A5414403	8260	ND	ND	ND	ND	ND	0.43 J	5.1	ND	3.6	ND	ND	9.13
07/26/2005	A5791701	8260/5ML	ND	ND	ND	ND	ND	1	8.2	ND	3.9	ND	ND	13.1
10/20/2005	A5B92005	8260	ND	ND	ND	ND	ND	1.5	13	ND	5.9	ND	2.2	22.6
01/24/2006	A6089108	8260	ND	ND	ND	ND	ND	ND	4.1	ND	2.9	ND	ND	7
04/19/2006	6D20002-05	8260B	ND	ND	ND	ND	ND	ND	6	ND	4	ND	ND	10
07/18/2006	6G19003-08	8260B	ND	ND	ND	ND	5 B	ND	7	ND	3	ND	ND	15
10/11/2006	6J12003-03	8260B	ND	ND	ND	ND	ND	1	10	ND	4	ND	ND	15
01/10/2007	7A11003-01	8260B	ND	ND	ND	ND	ND	ND	3	ND	2	ND	ND	5
04/16/2007	7D17002-01	8260B	ND	ND	ND	ND	ND	ND	5	ND	3	ND	ND	8
07/16/2007	7G17015-02	8260B	ND	ND	ND	ND	2	ND	3	ND	2	ND	ND	7
10/09/2007	7J10006-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-02	8260B	ND	ND	ND	ND	ND	ND	8	ND	4	ND	ND	12
04/14/2008	8D15002-01	8260B	ND	ND	ND	ND	2 B	ND	6	ND	3	ND	ND	11
07/23/2008	5423257	8260B	ND	ND	ND	ND	ND	0.81 J	6.8	ND	2.4 J	ND	ND	10.01

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-43M														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035113	8021	ND	ND	1.4	ND	ND	ND	34	ND	4.5	ND	2.7	42.6
04/20/2001	A1366405	624	ND	ND	ND	ND	ND	ND	4.6	ND	2.9	ND	ND	7.5
07/11/2001	A1648701	8021	ND	ND	0.35 J	ND	ND	ND	2.1	ND	0.83 J	ND	0.3 J	3.58
11/12/2001	A1B23802	8021	ND	ND	ND	ND	ND	ND	14	ND	6.4	ND	0.37 J	20.77
01/21/2002	A2066007	8021	ND	ND	ND	ND	ND	0.61 J	13	ND	6.1	ND	ND	19.71
04/11/2002	A2348302	8021	ND	ND	ND	ND	ND	0.61 J	11	ND	6.3	ND	ND	17.91
07/11/2002	A2708317	8021	ND	ND	ND	ND	ND	ND	10	ND	5.4	ND	ND	15.4
10/08/2002	A2999303	8021	ND	ND	ND	ND	ND	0.38 J	6	ND	4.3	ND	0.29 J	10.97
01/16/2003	A3055804	8021	ND	ND	0.29 J	ND	ND	0.4 J	6.3	ND	3.4	ND	1.2 J	11.59
04/29/2003	A3398701	8021	ND	ND	ND	ND	ND	ND	3.8	ND	2.4	ND	0.34 J	6.54
07/17/2003	A3683706	8021	ND	ND	ND	ND	ND	ND	2.1	ND	1.1 J	ND	ND	3.2
10/16/2003	A3A09002	8021	ND	ND	ND	ND	ND	ND	3.7	ND	8.1	ND	ND	11.8
01/20/2004	A4053201	8021	ND	ND	ND	ND	ND	ND	10	ND	8.9	ND	ND	18.9
04/28/2004	A4387602	8021	ND	ND	ND	ND	ND	ND	2	ND	1.4	ND	ND	3.4
07/09/2004	A4647301	8021	ND	ND	ND	ND	ND	ND	4.3	ND	8.2	ND	ND	12.5
10/07/2004	A4994505	8021	ND	ND	ND	ND	ND	ND	7.4	ND	36	ND	ND	43.4
01/18/2005	A5051001	8260	ND	ND	ND	ND	ND	0.82 J	8.9	ND	5.5	ND	1.5 J	16.72
04/21/2005	A5402202	8260	ND	ND	ND	ND	ND	0.83 J	10	ND	40 E	ND	ND	50.83
04/21/2005	A5402202DL	8260	ND	ND	ND	ND	ND	0.69 DJ	8.6 D	ND	34 D	ND	ND	43.29
07/26/2005	A5791702	8260/5ML	ND	ND	ND	ND	ND	1.6	17	ND	79	ND	ND	97.6
10/20/2005	A5B91801	8260	ND	ND	ND	ND	ND	0.64 J	6	ND	6.8	ND	1.3 J	14.74
01/26/2006	A6102402	8260	ND	ND	ND	ND	ND	0.74 J	12	ND	4.6	ND	3.8	21.14
04/20/2006	6D21003-01	8260B	ND	ND	ND	ND	ND	ND	12	ND	3	ND	3	18
07/18/2006	6G19003-07	8260B	ND	ND	ND	ND	4 B	ND	8	ND	4	ND	ND	16
10/11/2006	6J12003-02	8260B	ND	ND	ND	ND	ND	1	12	ND	36	ND	ND	49
01/10/2007	7A11003-02	8260B	ND	ND	ND	ND	ND	ND	12	ND	5	ND	4	21
04/16/2007	7D17002-02	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	ND	11
07/16/2007	7G17015-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	3	14
10/10/2007	7J11002-07	8260B	ND	ND	ND	ND	ND	ND	8	ND	3	ND	2	13
01/14/2008	8A15002-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	2	13
04/14/2008	8D15002-02	8260B	ND	ND	ND	ND	3 B	ND	5	ND	ND	ND	ND	8
07/23/2008	5423258	8260B	ND	ND	ND	ND	ND	ND	8.5	ND	2.3 J	ND	2.6 J	13.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (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

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

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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-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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

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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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	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

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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052409	8021	ND	1	0.48 J	ND	0.56 J	2.7	71	ND	28	ND	2.4	106.14
04/16/2001	A1345803	624	ND	ND	ND	ND	ND	ND	18	ND	27	ND	ND	45
07/16/2001	A1674111	8021	ND	2.1	0.51 J	ND	1 J	2	95	ND	46	ND	ND	146.61
10/11/2001	A1994710	8021	ND	ND	ND	ND	ND	0.74 J	43	ND	31 D	ND	ND	74.74
01/24/2002	A2076708	8021	ND	2.3	ND	ND	2.5	ND	63	ND	280	ND	ND	347.8
04/15/2002	A2370203	8021	ND	ND	ND	ND	ND	ND	9.8	ND	44	ND	ND	53.8
07/16/2002	A2722905	8021	ND	ND	ND	ND	3	ND	16	ND	74	ND	ND	93
10/09/2002	A2A07502	8021	ND	ND	ND	ND	ND	ND	9.5	ND	39	ND	ND	48.5
01/23/2003	A3075202	8021	ND	ND	ND	ND	ND	ND	86	6.6	150	ND	ND	242.6
04/15/2003	A3356603	8021	ND	ND	ND	ND	86	1.4	29	1	80	ND	ND	197.4
07/21/2003	A3699403	8021	ND	ND	ND	ND	ND	ND	29	ND	71	ND	ND	100
10/21/2003	A3A21901	8021	ND	ND	ND	ND	2.3 J	ND	48	ND	110	ND	ND	160.3
01/28/2004	A4077601	8021	ND	ND	ND	ND	ND	1.7	52	ND	200	ND	ND	253.7
04/21/2004	A4356601	8021	ND	ND	ND	ND	1.8 J	ND	16	ND	68	ND	ND	85.8
07/21/2004	A4687102	8260	ND	ND	ND	ND	5.1	ND	19	ND	110	ND	ND	134.1
10/20/2004	A4A32302	8021	ND	ND	ND	ND	ND	ND	16	ND	84	ND	ND	100
01/13/2005	A5036107	8260	ND	ND	ND	ND	ND	1.1	22	0.64 J	160 E	ND	ND	183.74
01/13/2005	A5036107DL	8260							17 D		110 D			127
04/22/2005	A5402001	8260	ND	ND	ND	ND	ND	0.7 J	9.9	ND	63	ND	ND	73.6
07/19/2005	A5762301	8260/5ML	ND	ND	ND	ND	ND	0.95 J	14	ND	78	ND	ND	92.95
10/20/2005	A5B91901	8260	ND	ND	ND	ND	ND	1.5	20	0.56 J	100 E	ND	0.63 J	122.69
10/20/2005	A5B91901DL	8260	ND	ND	ND	ND	3 BD	ND	19 D	ND	82 D	ND	ND	104
01/23/2006	A6084703	8260	ND	ND	ND	ND	ND	1	17	ND	100 E	ND	ND	118
01/23/2006	A6084703DL	8260	ND	3.4 D	ND	ND	1.2 DJ	0.97 DJ	16 D	ND	94 D	ND	ND	115.57
04/12/2006	6D13005-07	8260B	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260B	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260B	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260B	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260B	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35
01/08/2008	8A09005-07	8260B	ND	ND	1	ND	4	ND	23	2	60	ND	ND	90
04/07/2008	8D08002-04	8260B	ND	ND	ND	ND	ND	ND	6	ND	20	ND	ND	26
07/28/2008	5426818	8260B	ND	ND	ND	ND	ND	ND	6.9	ND	19	ND	ND	25.9

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

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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732710	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
08/05/2002	A2793604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2004	A4A20702	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	ND	ND	0.79
01/19/2005	A5050901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/25/2005	A5408101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762204	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-14RE1	8260B	ND	ND	ND	ND	4	ND	3	ND	3	ND	ND	10
07/17/2007	7G18027-09	8260B	ND	ND	ND	ND	ND	1	4	ND	3	ND	ND	8
07/21/2008	5420892	8260B	ND	ND	ND	ND	ND	0.8 J	1.1 J	ND	ND	ND	ND	1.9

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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-67M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id:		DNAPL Sump												
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/25/2001	A1382102	8021	ND	ND	ND	ND	ND	ND	2300	ND	14000 D	ND	56	16356
07/12/2001	A1663804	8021	ND	ND	ND	ND	1.7 J	ND	120	ND	63	ND	2.5	187.2
01/25/2002	A2081502	8021	ND	ND	ND	13	1 J	15	4900 D	ND	1600 D	1.3	9.1	6539.4
04/19/2002	A2384301	8021	ND	ND	ND	ND	ND	ND	5900	ND	5000	ND	130	11030
07/16/2002	A2722915	8021	ND	ND	ND	ND	160	ND	3000	ND	5500	ND	240	8900
10/09/2002	A2A07506	8021	ND	ND	ND	ND	ND	ND	4400	ND	6600	ND	ND	11000
01/23/2003	A3075206	8021	ND	ND	ND	ND	ND	ND	2800	ND	16000	ND	ND	18800
04/10/2003	A3335401	8021	ND	ND	ND	ND	180	ND	2100	ND	2400	ND	190	4870
07/10/2003	A3654306	8021	ND	ND	ND	ND	ND	ND	1700	ND	3400	ND	110	5210

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-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

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041304	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.42 J	ND	ND	2.82
04/20/2001	A1366407	624	ND	ND	ND	ND	ND	ND	1.6	ND	1.5	ND	ND	3.1
07/11/2001	A1648715	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.38 J	ND	ND	1.58
10/16/2001	A1A17404	8021	ND	ND	ND	ND	ND	5.2	210	ND	69	ND	3.5	287.7
01/21/2002	A2066001	8021	ND	ND	ND	ND	ND	6.5	140	ND	ND	ND	ND	146.5
04/11/2002	A2348304	8021	ND	ND	ND	ND	ND	4.9	170	ND	ND	ND	8.4	183.3
07/12/2002	A2713910	8021	ND	ND	ND	ND	ND	5.8	120	ND	4	ND	3.5	133.3
10/08/2002	A2999305	8021	ND	ND	1.1	ND	ND	10	300	ND	4	ND	ND	315.1
04/09/2003	A3329502	8021	ND	ND	ND	ND	16	ND	52	ND	ND	ND	1.8	69.8
07/08/2003	A3649104	8021	ND	ND	ND	ND	3.8	6	230	ND	ND	ND	ND	239.8
10/13/2003	A3991407	8021	ND	ND	ND	ND	ND	8.2	230	ND	ND	ND	ND	238.2
01/09/2004	A4026203	8021	ND	ND	ND	ND	ND	3.1	110	ND	ND	ND	3.1	116.2
04/14/2004	A4331803	8021	ND	ND	ND	ND	ND	2.4	100	ND	4.3	ND	ND	106.7
07/06/2004	A4636509	8021	ND	ND	ND	2.5	ND	9.2	260 E	ND	3.1	ND	3	277.8
07/06/2004	A4636509DL	8021	ND	ND	ND	ND	5.4 DE	8.8 D	230 D	ND	ND	ND	ND	244.2
10/08/2004	A4994501	8021	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	200
01/12/2005	A5036201	8260	ND	ND	ND	ND	ND	2.8	98	ND	ND	ND	ND	100.8
04/04/2005	A5307703	8260	ND	ND	ND	ND	ND	3.2	110 E	ND	0.43 J	ND	1.9	115.53
04/04/2005	A5307703DL	8260	ND	ND	ND	ND	ND	2.1 D	90 D	ND	ND	ND	ND	92.1
07/08/2005	A5715301	8260/5ML	ND	ND	ND	ND	1.2 J	5.7	140	ND	ND	ND	ND	146.9
10/05/2005	A5B10603	8260	ND	ND	0.55 J	ND	ND	6	110 E	ND	0.69 J	ND	0.98 J	118.22
10/05/2005	A5B10603DL	8260	ND	ND	ND	ND	ND	5.9 D	120 D	ND	ND	ND	ND	125.9
01/24/2006	A6089110	8260	ND	ND	ND	ND	ND	2.2	69	ND	0.52 J	ND	1.1 J	72.82
04/12/2006	6D13005-01	8260B	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260B	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260B	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260B	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260B	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260B	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260B	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64
01/07/2008	8A08003-07	8260B	ND	ND	ND	ND	ND	1	25	ND	ND	ND	ND	26
04/08/2008	8D09003-02	8260B	ND	ND	ND	ND	3 B	2	67	ND	ND	ND	ND	72
07/16/2008	5417454	8260B	ND	ND	ND	ND	ND	3.6 J	92	ND	ND	ND	ND	95.6

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-4														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-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

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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

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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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041301	8021	ND	ND	ND	ND	1.6 J	ND	24	ND	44	ND	ND	69.6
04/19/2001	A1361314	624	ND	ND	ND	ND	ND	ND	1.4	ND	17	ND	ND	18.4
07/13/2001	A1663811	8021	ND	1.5	ND	ND	5.3	ND	24	ND	88	ND	ND	118.8
10/15/2001	A1A17405	8021	ND	ND	ND	ND	ND	ND	370	ND	3700	ND	ND	4070
01/23/2002	A2076704	8021	ND	ND	ND	ND	2 J	ND	7.8	ND	55	ND	ND	64.8
04/18/2002	A2378805	8021	ND	ND	ND	ND	ND	ND	2.4	ND	17	ND	ND	19.4
07/16/2002	A2722913	8021	ND	ND	ND	ND	2.6	ND	16	ND	110	ND	ND	128.6
10/09/2002	A2A07509	8021	ND	ND	ND	ND	ND	ND	88	ND	640	ND	ND	728
01/23/2003	A3075205	8021	ND	ND	ND	ND	ND	ND	31	ND	270	ND	ND	301
04/09/2003	A3329401	8021	ND	ND	ND	ND	ND	ND	5	ND	85	ND	ND	90

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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

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id:	Quarry 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

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