

November 10, 2010

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

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

Dear Mr. Dieffenbach:

On behalf of Atlantic Richfield Company, attached is the Third Quarter 2010 Monitoring Report for the former Carborundum facility in Wheatfield, New York (Site). The report covers activities at the Site from July 1, 2010 through September 30, 2010. The CD enclosed at the end of the attached report contains an electronic copy of the report in PDF format.

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

Sincerely,



Mark Raybuck
Project Manager

Attachment

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

THIRD QUARTER 2010 MONITORING REPORT

Former Carborundum Facility

2040 Cory Drive

Village of Sanborn, Town of Wheatfield, Niagara County, New York

Prepared for:



New York State Department of Environmental Conservation
Division of Hazardous Waste Remediation

270 Michigan Avenue

Buffalo, New York 14203

Submitted by:

Atlantic Richfield Company

A BP affiliated company

4850 East 49th Street

MBC 3-147

Cuyahoga Heights, Ohio 44125

Prepared by:

PARSONS

40 LARIVIERE DRIVE, SUITE 350

BUFFALO, NEW YORK 14202

November 2010

Third Quarter 2010 Monitoring Report For:

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

Prepared for:



New York State Department of
Environmental Conservation
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PARSONS

40 La Riviere Drive, Suite 350
Buffalo, New York 14202
Phone: (716) 541-0730
Fax: (716) 541-0760

November 2010

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

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

INTRODUCTION

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

The July 2010 groundwater sampling event included static water level measurements prior to purging, and the collection of groundwater samples from 55 monitoring wells and six recovery wells in accordance with the NYSDEC-approved (October 2005, amended 2009) sampling program. B-14M did not contain any water and therefore could not be sampled. Damage to B-51M prevented sampling. An attempt to repair B-51M prior to the next scheduled sampling will be attempted. The program was amended in 2009 to include recovery well PW-4 in the sampling program. All samples were submitted to Lancaster Laboratories, Inc., a New York State Department of Health certified laboratory, for volatile organic compound (VOC) analysis. The locations of the wells sampled are shown in Figure 2. A summary of the groundwater analytical results from each well in the Top of Rock Zone and Zone 1 is provided in Figure 3. Analytical results for Zones 2, 3, 4, and 5 are shown in Figure 4.

WATER LEVEL MEASUREMENTS

On July 1, 2010, water levels were measured in 60 monitoring wells and six recovery wells. The water levels were measured to the nearest 0.01 feet from the top of the well casing, using an electronic water level meter. The water level meter was decontaminated between measurements at each well. Water level elevations were calculated using the surveyed elevations of the top of well casings and the measured depth to groundwater. Table 1 provides a summary of the water level measurements. Groundwater elevation contours for the Top of Rock Zone and Zone 1 for July 2010 are shown in Figures 5 and 6. Groundwater elevations and resultant flow patterns are consistent with the historical data. Groundwater flow in both the Top of Rock Zone and Zone 1 is generally to the southeast in the northern part of the Site and to the southwest in the southern part of the Site and south of the Site.

GROUNDWATER SAMPLING

The groundwater sampling event was completed between July 12 and July 22, 2010. Groundwater samples were divided into three different groups based on historical analytical results from individual wells. The sampling groups were identified as least impacted (low), medium impacted (medium), and most impacted (high). To the extent practical, the wells in the

low group were sampled first, followed by wells in the medium group, and lastly, wells in the high group.

Quality assurance/quality control (QA/QC) samples included trip blanks, field duplicates and matrix spike/matrix spike duplicates (MS/MSD). QA/QC sample sets were collected at a rate of one per sample designation group. Analytical results for the QA/QC samples are included in Appendix B. A trip blank was included with each sample cooler.

The wells were purged with a decontaminated pump, dedicated high density polyethylene (HDPE) bailer, or the sampling port on the pumping well (see Table 2). During purging, field parameters (pH, specific conductivity, temperature, and turbidity) were measured and recorded. Purging continued until field parameters had stabilized, between three and five well volumes of water had been purged, or the well was purged dry. After purging was complete, a groundwater sample was collected from the monitoring well.

The six recovery well samples were collected from sampling ports at the well head or directly from the well with an HDPE disposable bailer. Field parameters were collected immediately after sample collection (see Table 3). The samples 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 2010 sampling event were submitted to Lancaster Laboratories, for VOC analysis using Method 8260B. The Method 8260B analytical reports provided results for selected halogenated VOCs. The analytical results are listed in the laboratory data reports in Appendix B, along with chain-of-custody records (COCs).

The chemical analytical results for this round of groundwater sampling were consistent with historical concentrations, and have been summarized in Table 4. Figures 3 and 4 provide a summary of the analytical results, plotted on a Site map. The sample results have been incorporated into the project water quality database. A historical summary (January 2001 through September 2010) is provided in the tables in Appendix C.

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

SUMMARY OF OPERATIONS AND MAINTENANCE ACTIVITY

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

- sampled carbon in tank 801 off gas vent drum (Ventsorb) unit and submitted for TCLP analysis;
- calibrated level controllers in all pumping wells;
- purchased and installed a new pump for failed pump in PW-4;
- began change out of aqueous phase carbon units; and
- completed minor electrical repairs (starter contacts) to pump P-803C.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

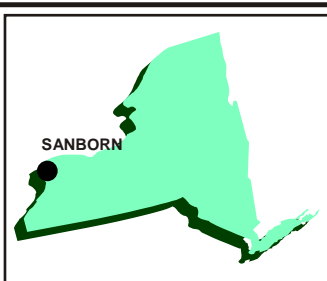
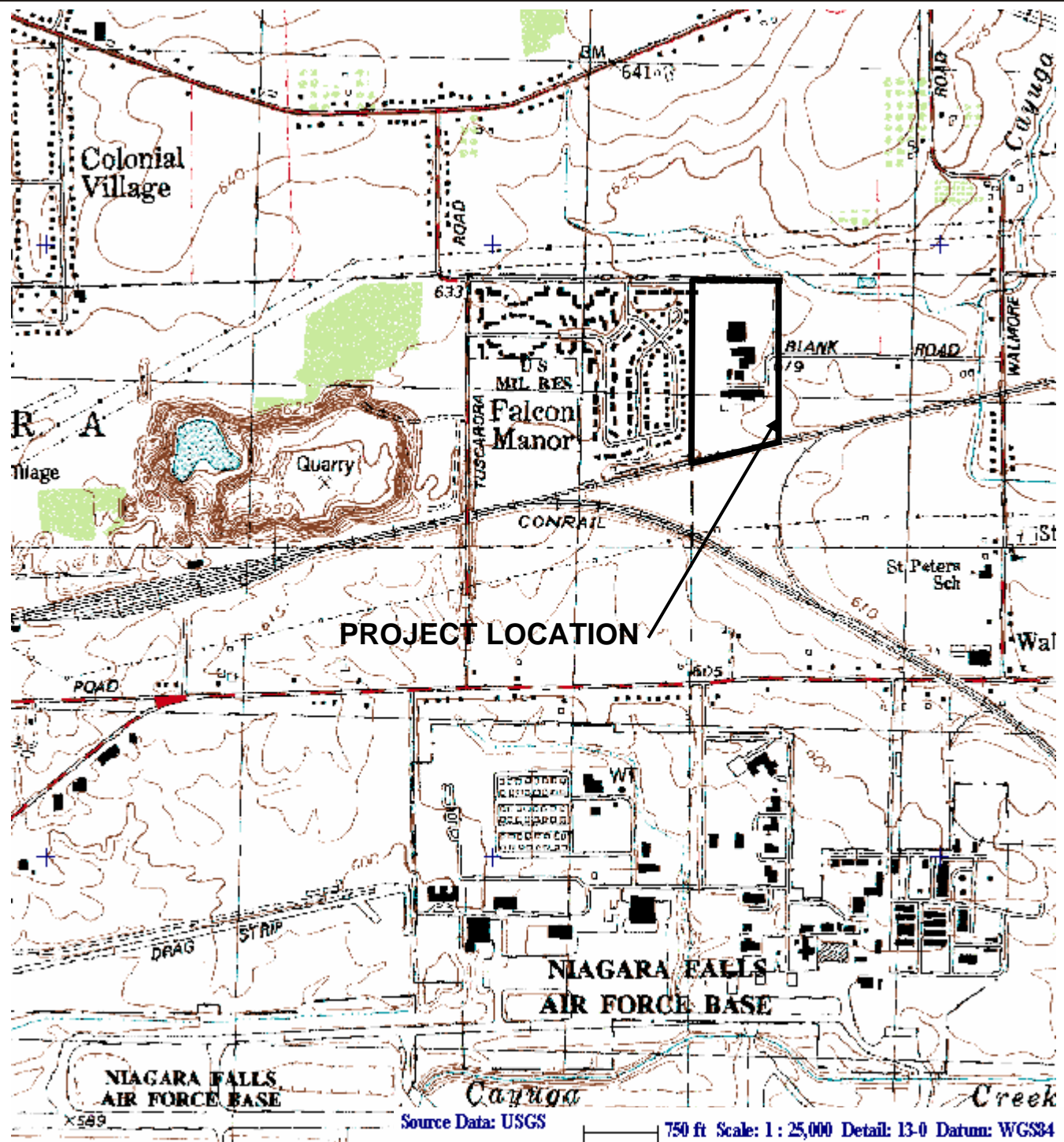
During the reporting period, approximately 10.2 million gallons of groundwater were recovered and treated. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorized discharge through March 31, 2012. The average pumping rate from the system was approximately 77.6 gallons per minute (gpm) during the reporting period. The total extracted mass during the third quarter of 2010 was 41.6 pounds. The extracted mass was estimated using individual well pumping rates and analytical results. Table 5 provides the GRS performance summary for the quarter. The GRS uptime for the quarter was 100 percent.

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. Uptime of the GRS for the quarter was 100 percent.
- Monthly DMRs were provided to NYSDEC. The discharge data were within compliance parameters for each monthly reporting period.

FIGURES



New York
Quadrangle

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



SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

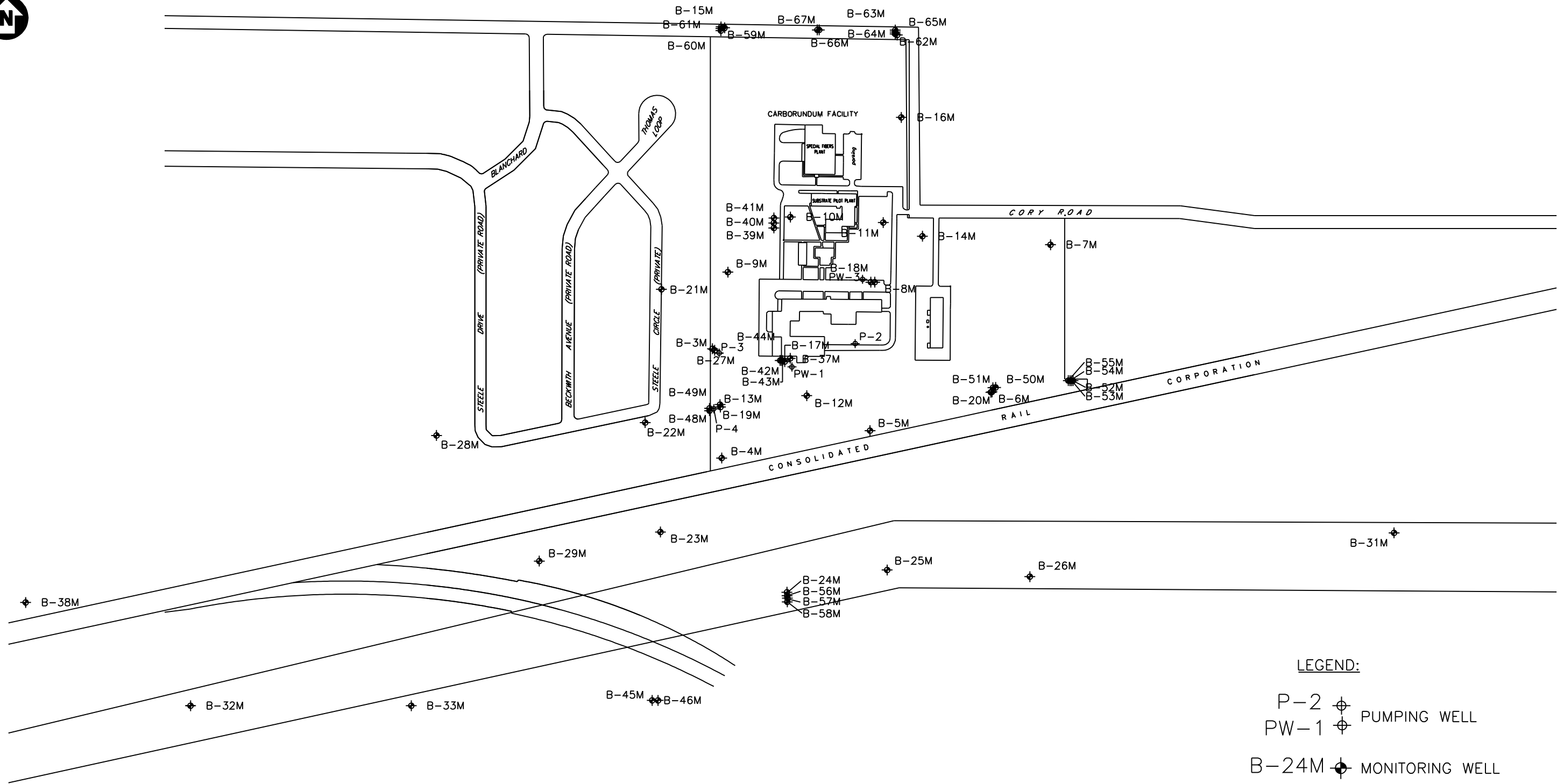
FIGURE 1

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



SCALE: 1"=400'

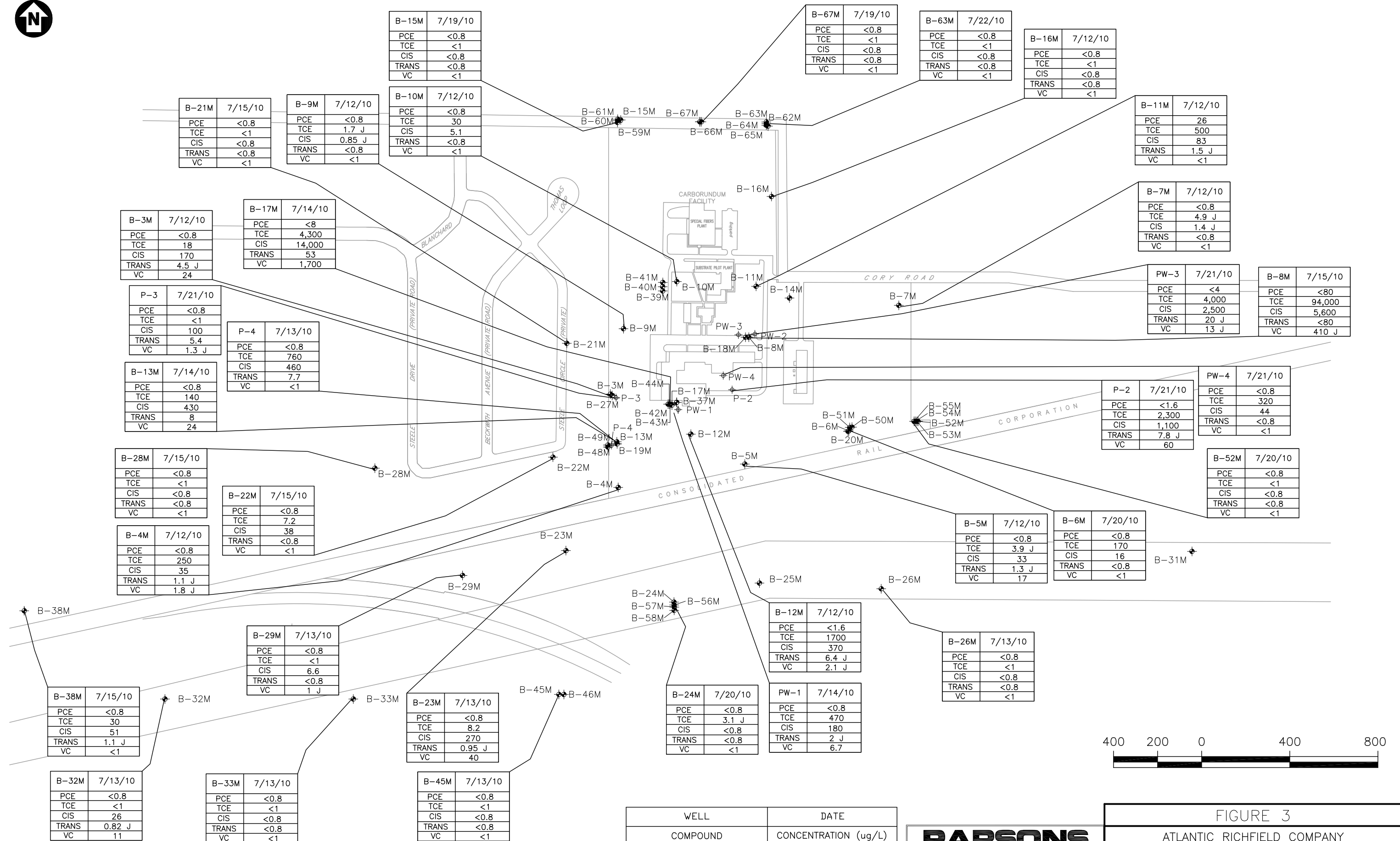
FIGURE 2

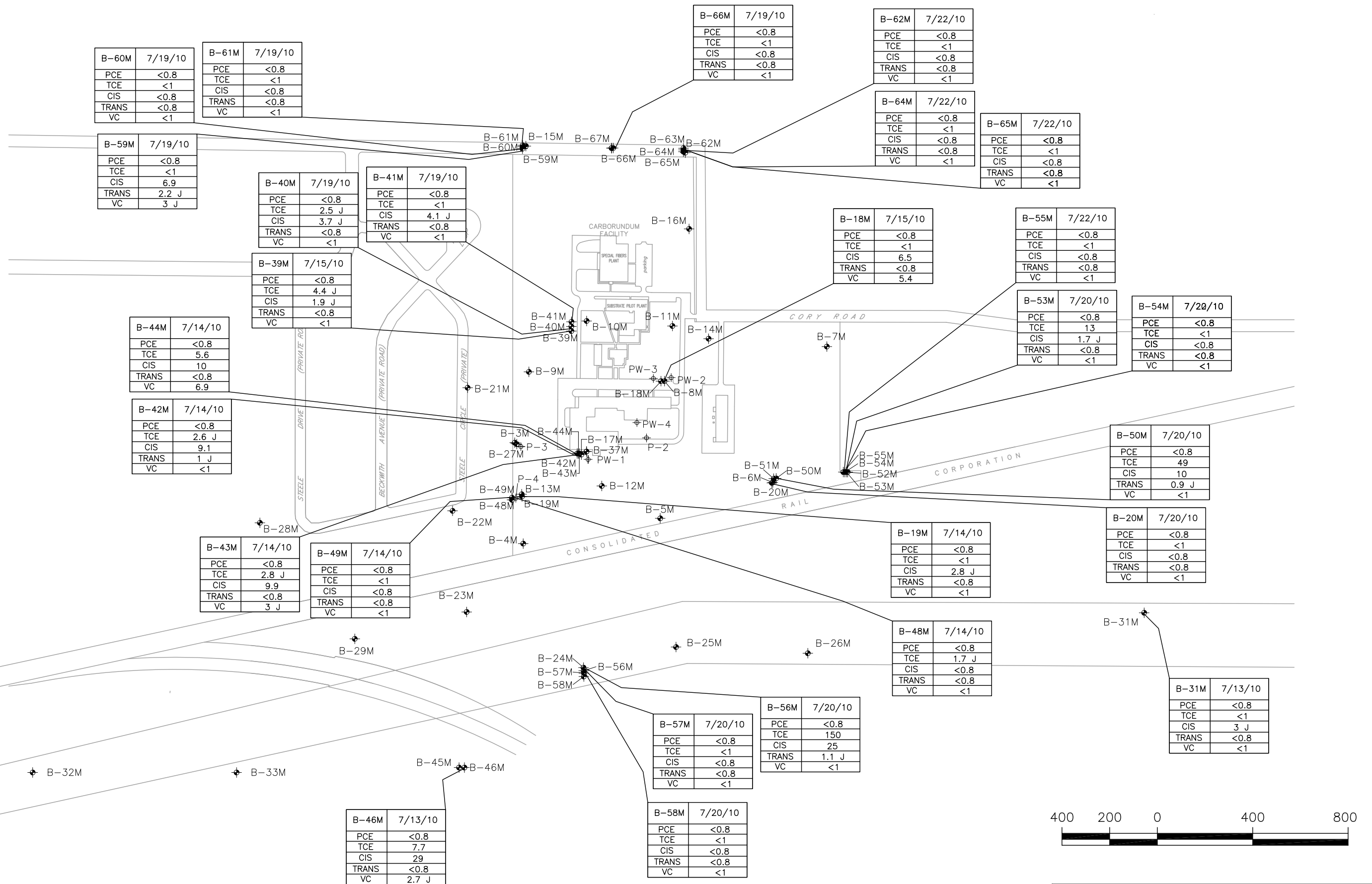
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY

SITE PLAN

PARSONS

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



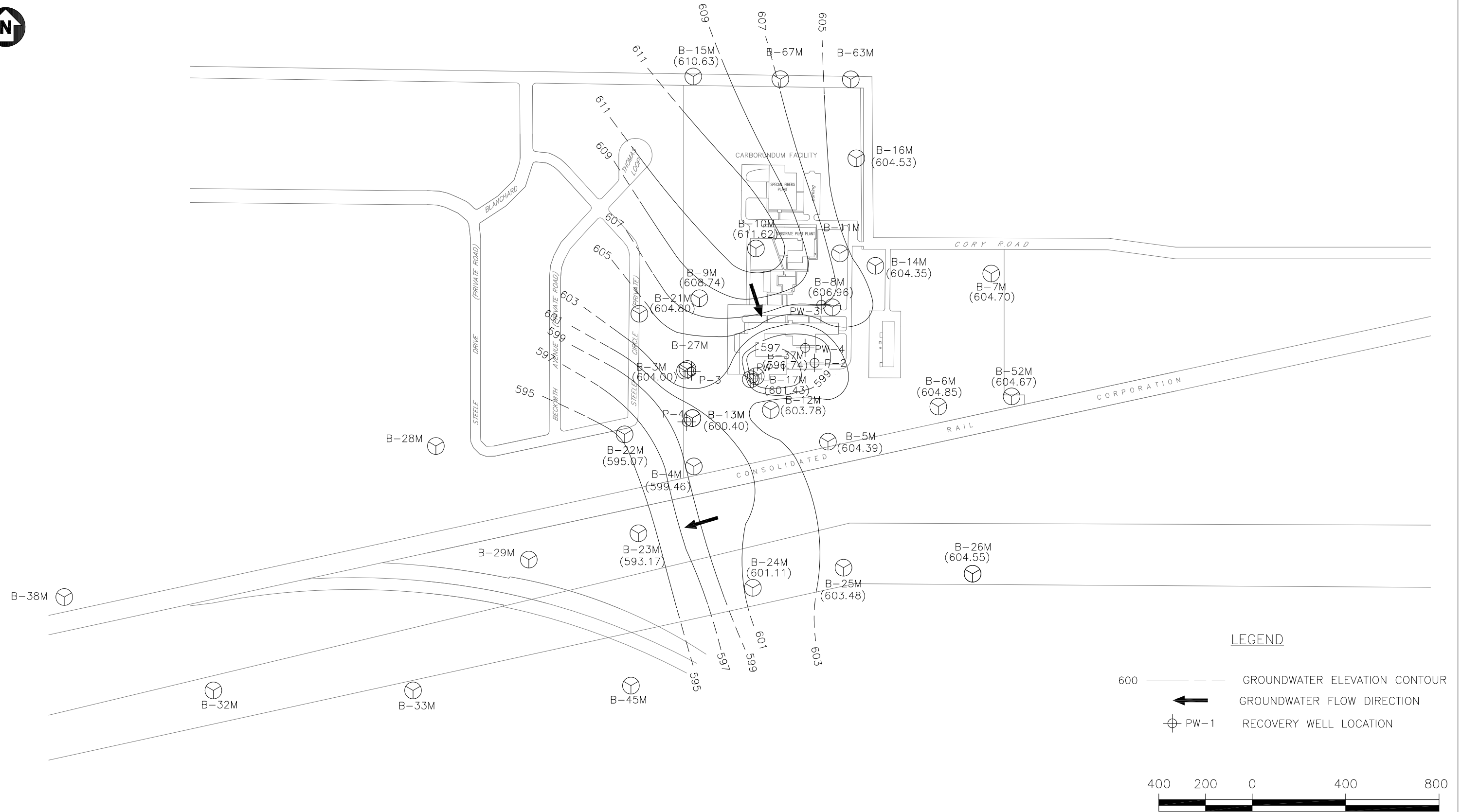


WELL	DATE
COMPOUND	CONCENTRATION (ug/L)
PCE = TETRACHLOROETHENE	
TCE = TRICHLOROETHENE	
CIS = CIS-1,2-DICHLOROETHENE	
TRANS = TRANS-1,2-DICHLOROETHENE	
VC = VINYL CHLORIDE	

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

FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN
ZONES 2, 3, 4 & 5
JULY 2010 QUARTERLY SAMPLING EVENT

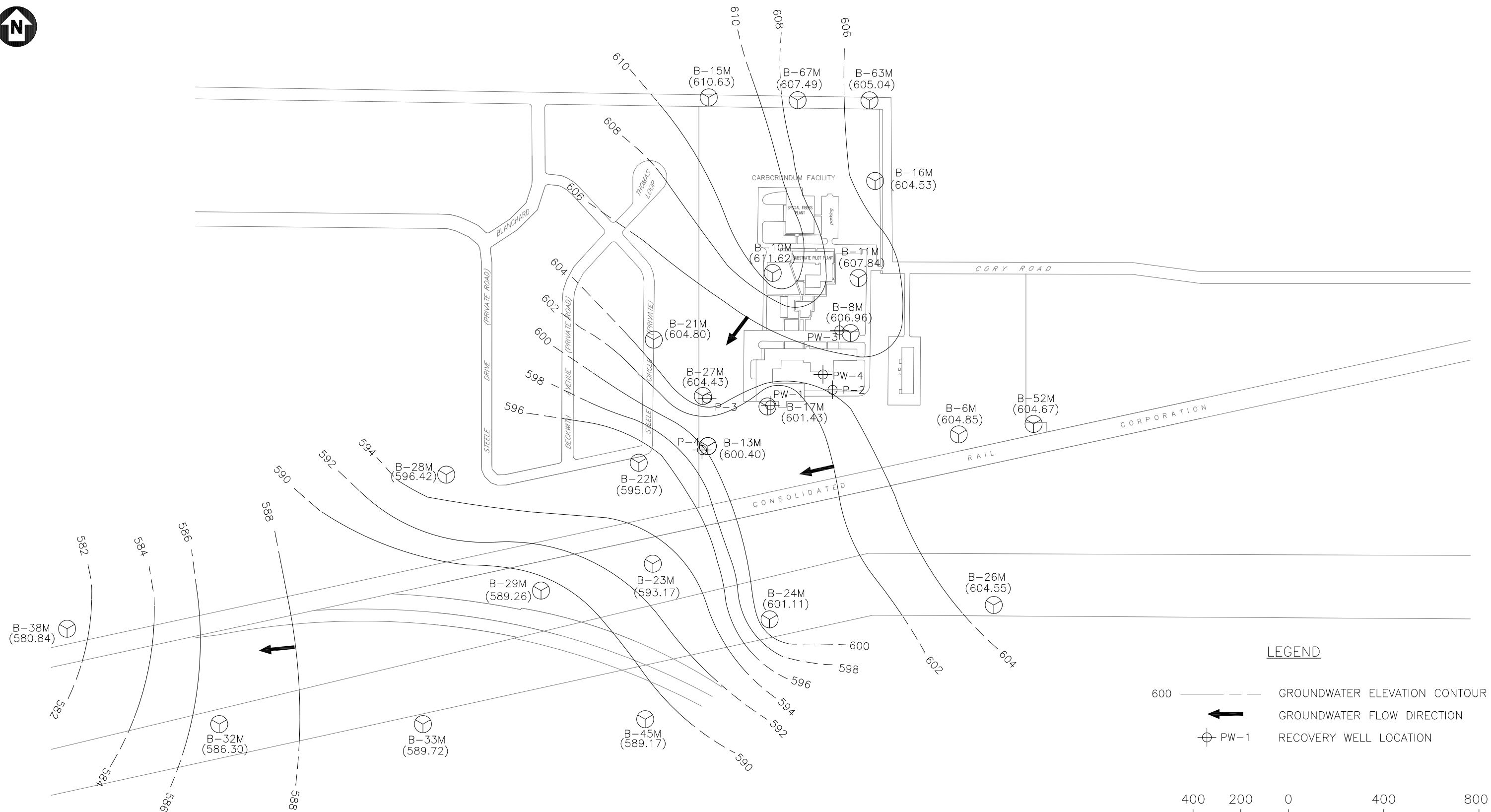


NOTE:

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

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK - JULY 2010



NOTE:

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

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1- JULY 2010

TABLES

TABLE 1
QUARTERLY GROUNDWATER ELEVATION DATA
JULY 2010
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	07/01/10	619.67	20.15	599.52	
P-3	07/01/10	627.35	27.27	600.08	
P-4	07/01/10	624.45	27.79	596.66	
PW-1	07/01/10	619.78	26.26	593.52	
PW-3	07/01/10	618.28	12.88	605.40	
PW-4	07/01/10	620.84	16.71	600.78	
B-3M	07/01/10	625.59	21.59	604.00	
B-4M	07/01/10	622.24	22.78	599.46	
B-5M	07/01/10	620.83	16.44	604.39	
B-6M	07/01/10	615.69	10.84	604.85	
B-7M	07/01/10	616.22	11.52	604.70	
B-8M	07/01/10	618.57	11.61	606.96	
B-9M	07/01/10	623.03	14.29	608.74	
B-10M	07/01/10	626.05	14.43	611.62	
B-11M	07/01/10	622.81	14.97	607.84	
B-12M	07/01/10	622.17	18.39	603.78	
B-13M	07/01/10	626.70	26.30	600.40	
B-14M	07/01/10	618.25	13.90	604.35	
B-15M	07/01/10	623.98	13.35	610.63	
B-16M	07/01/10	626.08	21.55	604.53	
B-17M	07/01/10	622.07	20.64	601.43	
B-18M	07/01/10	618.69	14.38	604.31	
B-19M	07/01/10	626.01	23.98	602.03	
B-20M	07/01/10	615.32	10.97	604.35	
B-21M	07/01/10	622.56	17.76	604.80	
B-22M	07/01/10	622.29	27.22	595.07	
B-23M	07/01/10	617.71	24.54	593.17	
B-24M	07/01/10	617.24	16.13	601.11	
B-25M	07/01/10	619.31	15.83	603.48	
B-26M	07/01/10	618.06	13.51	604.55	
B-27M	07/01/10	626.04	21.61	604.43	
B-28M	07/01/10	622.62	26.20	596.42	
B-29M	07/01/10	618.31	29.05	589.26	
B-31M	07/01/10	613.78	9.95	603.83	
B-32M	07/01/10	619.35	33.05	586.30	
B-33M	07/01/10	612.43	22.71	589.72	
B-37M	07/01/10	616.90	20.16	596.74	
B-38M	07/01/10	609.81	28.97	580.84	
B-39M	07/01/10	626.12	21.51	604.61	
B-40M	07/01/10	626.23	21.76	604.47	
B-41M	07/01/10	626.31	22.66	603.65	
B-42M	07/01/10	623.76	19.30	604.46	
B-43M	07/01/10	623.64	20.09	603.55	
B-44M	07/01/10	623.29	21.78	601.51	
B-45M	07/01/10	612.12	22.95	589.17	
B-46M	07/01/10	613.46	24.02	589.44	
B-48M	07/01/10	625.40	21.15	604.25	
B-49M	07/01/10	625.56	28.79	596.77	
B-50M	07/01/10	616.47	11.85	604.62	
B-51M	07/01/10	616.48	6.95	609.53	well damaged due to freezing
B-52M	07/01/10	616.26	11.59	604.67	
B-53M	07/01/10	616.14	11.56	604.58	
B-54M	07/01/10	616.00	11.07	604.93	
B-55M	07/01/10	615.59	30.65	584.94	
B-56M	07/01/10	617.78	25.61	592.17	
B-57M	07/01/10	617.80	27.32	590.48	
B-58M	07/01/10	617.99	24.34	593.65	
B-59M	07/01/10	625.53	29.32	596.21	
B-60M	07/01/10	625.67	21.12	604.55	
B-61M	07/01/10	625.72	20.81	604.91	
B-62M	07/01/10	623.89	13.36	610.53	
B-63M	07/01/10	624.14	19.1	605.04	
B-64M	07/01/10	623.95	19.31	604.64	
B-65M	07/01/10	624.19	19.81	604.38	
B-66M	07/01/10	625.37	20.68	604.69	
B-67M	07/01/10	625.51	18.02	607.49	

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

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	Initial Water Level (ft)	Initial Groundwater Elevation (ft)	Measured Well Bottom (ft)	Water Column Hgt. (ft)	One Well Volume (gal)	Total Volume Purged (gal)	Purging Codes	Remarks
P-2	7/21/10	10:36	619.67	19.70						1	Pumping well
P-3	7/21/10	11:00	627.35	25.00						4	Pumping well
P-4	7/13/10	15:00	624.45	25.59						4	Pumping well
PW-1	7/14/10	8:40	619.78	27.33						1	Pumping well
PW-3	7/21/10	11:10	618.28	NS						4	Pumping well
PW-4	7/21/10	10:50	618.28	20.70						1	Pumping well
B-3M	7/12/10	13:45	625.59	22.20	603.39	25.02	2.82	0.48	-2.5	4	
B-4M	7/12/10	14:45	622.24	22.66	599.58	27.46	4.80	0.82	-2	4	well dry
B-5M	7/12/10	12:50	620.83	17.96	602.87	31.0	13.04	2.22	12	5	
B-6M	7/20/10	12:20	615.69	13.36	602.33	19.14	5.78	0.98	5	4	
B-7M	7/12/10	11:30	616.22	12.50	603.72	21.91	9.41	1.60	8	4	
B-8M	7/15/10	11:50	618.57	12.61	605.96	17.71	5.10	0.87	-4.5	4	
B-9M	7/12/10	9:10	623.03	13.87	609.16	21.18	7.31	1.24	-6.5	4	
B-10M	7/12/10	9:45	622.56	14.93	607.63	27.90	12.97	2.20	-11	5	well dry
B-11M	7/12/10	11:05	622.81	18.23	604.58	23.78	5.55	0.94	-1	4	well dry
B-12M	7/12/10	12:25	622.17	19.30	602.87	21.87	2.57	0.44	2.5	4	
B-13M	7/14/10	12:10	617.20	26.64	590.56	35.87	9.23	1.57	8	5	
B-14M	7/12/10	11:20	618.25		618.25	15.76	15.76			4	well dry
B-15M	7/19/10	13:10	623.98	14.26	609.72	24.10	9.84	1.67	-8.5	5	
B-16M	7/12/10	10:30	626.08	22.94	603.14	27.18	4.24	0.72	-4	4	
B-17M	7/14/10	8:25	622.07	21.25	600.82	26.01	4.76	0.80	4.5	4	
B-18M	7/15/10	12:35	618.69	16.91	601.78	50.31	33.40	5.70	-29	5	
B-19M	7/14/10	13:05	626.01	25.37	600.64	36.46	11.09	1.89	10	5	
B-20M	7/20/10	11:25	615.40	12.52	602.88	49.95	37.43	6.36	32	5	
B-21M	7/15/10	11:05	622.56	19.85	602.71	26.46	6.61	1.24	-6	4	
B-22M	7/15/10	10:25	617.71	28.12	589.59	35.95	7.83	1.38	-7	4	
B-23M	7/13/10	14:00	617.71	25.88	591.83	31.68	5.80	0.99	-5	4	
B-24M	7/20/10	10:35	617.20	17.40	599.80	26.65	9.25	1.57	8	4	
B-26M	7/13/10	8:40	618.06	14.35	603.71	30.10	15.75	2.68	14	5	
B-28M	7/15/10	9:25	622.62	26.86	595.76	34.51	7.65	1.30	-6.5	4	
B-29M	7/13/10	12:55	618.31	29.68	588.63	38.42	8.74	1.49	-2.5	5	
B-31M	7/13/10	9:20	613.78	10.67	603.11	43.50	32.83	5.58	30	5	
B-32M	7/13/10	11:50	619.35	33.50	585.85	40.48	6.98	1.19	6	4	
B-33M	7/13/10	11:20	612.43	23.20	589.23	32.02	8.82	1.50	7.5	4	well dry
B-38M	7/15/10	8:30	609.81	29.65	580.16	41.22	11.57	1.97	-10	4	
B-39M	7/15/10	14:05	626.12	23.54	602.58	44.80	21.26	3.61	-18.5	5	
B-40M	7/19/10	9:40	626.23	24.34	601.89	57.91	33.57	5.70	29	5	
B-41M	7/19/10	10:25	626.31	29.91	596.40	72.56	42.65	8.10	41	5	
B-42M	7/14/10	11:00	623.76	21.14	602.62	45.38	24.24	4.12	21	5	
B-43M	7/19/10	10:30	623.64	21.76	601.88	58.85	37.09	6.30	15	5	well dry at 15 gal
B-44M	7/14/10	9:20	623.29	23.01	600.28	84.50	61.49	10.45	17.5	5	well dry at 17.5 gal
B-45M	7/13/10	10:25	612.12	22.98	589.14	24.85	1.87	0.30	-0.3	4	well dry
B-46M	7/13/10	10:35	613.46	24.54	588.92	39.90	15.36	2.60	15	5	
B-48M	7/14/10	13:50	625.40	22.99	602.41	46.90	23.91	4.17	21	5	
B-49M	7/14/10	14:35	625.56	30.51	595.05	82.45	51.94	8.93	45	5	
B-50M	7/20/10	13:45	616.47	15.60	600.87	35.79	20.19	3.77	20	5	
B-51M	7/20/10		616.48		616.48		0.00				well casing damaged by freezing
B-52M	7/20/10	14:45	616.26	13.28	602.98	22.38	9.10	1.55	8	5	
B-53M	7/20/10	15:20	616.14	13.27	602.87	37.26	23.99	4.08	21	5	
B-54M	7/22/10	9:40	616.00	13.27	602.73	57.43	44.16	7.50	-10	5	well dry at 10 gals
B-55M	7/22/10	9:00	615.59	31.99	583.60	83.97	51.98	8.84	12.5	5	well dry at 12.5 gals
B-56M	7/20/10	18:00	617.78	26.75	591.03	39.60	12.85	2.18	11	5	
B-57M	7/20/10	9:40	617.80	28.92	588.88	50.56	21.64	3.68	19	5	well dry
B-58M	7/20/10	8:55	617.99	25.86	592.13	63.55	37.69	6.40	32	5	
B-59M	7/19/10	15:25	625.53	30.66	594.87	69.14	38.48	6.50	33	4	
B-60M	7/19/10	13:50	625.67	24.10	601.57	55.05	30.95	5.30	27	5	
B-61M	7/19/10	14:50	625.72	23.47	602.25	29.06	5.59	0.95	5	5	
B-62M	7/22/10	10:15	623.89	15.40	608.49	91.50	76.10	12.94	-6.5	5	
B-63M	7/22/10	10:30	624.14	22.15	601.99	27.40	5.25	0.89	-5	5	
B-64M	7/22/10	11:30	623.95	22.45	601.50	42.44	19.99	3.40	-17	5	
B-65M	7/22/10	13:15	624.19	22.80	601.39	57.55	34.75	5.90	30	5	
B-66M	7/19/10	11:50	625.37	23.25	602.12	32.74	9.49	1.61	-8.5	5	
B-67M	7/19/10	12:25	625.51	18.57	606.94	25.17	6.60	1.12	6	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 2010 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Time	Top of Riser Elevation (ft)	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	7/21/10	10:37	619.67	7.05	2.09	60.3	5.3	Pumping well
P-3	7/21/10	11:05	627.35	6.15	1.90	59.8	9.4	Pumping well
P-4	7/13/10	15:00	624.45	6.71	1.28	58.9	0.35	Pumping well
PW-1	7/14/10	8:40	619.78	7.13	1.27	56.7	1.0	Pumping well
PW-3	7/21/10	11:12	618.28	6.59	1.15	63.4	8.7	Pumping well
PW-4	7/21/10	10:51	618.28	6.24	1.15	59.5	1.0	Pumping well
B3-M	7/12/10	14:30	625.59	7.2	1.14	53.6	70	
B4-M	7/12/10	15:45	622.24	7.78	1.74	56.1	26	
B5-M	7/12/10	13:30	620.83	7.04	1.05	53.6	140	
B-6M	7/20/10	14:35	615.69	6.9	1.63	52.1	75	
B-7M	7/12/10	12:00	616.22	6.93	0.98	55.1	400	
B-8M	7/15/10	12:25	618.57	6.91	2.42	59.6	45	
B-9M	7/12/10	9:40	623.03	7.09	0.93	53.2	800	
B-10M	7/12/10	10:25	622.07	7.03	1.86	56.5	60	
B-11M	7/12/10	12:10	622.81	6.2	2.02	59.9	140	
B-12M	7/12/10	12:45	622.17	6.96	1.36	55.3	450	
B-13M	7/14/10	13:00	618.69	6.87	1.34	54.7	31	
B-14M	7/12/10	11:20	618.25					well dry - unable to sample
B-15M	7/19/10	13:40	623.98	6.63	1.55	54.3	26	
B-16M	7/12/10	11:00	626.08	6.99	1.06	52.5	50	
B-17M	7/14/10	9:15	626.01	7.01	1.59	55.5	45	
B-18M	7/15/10	13:50	622.56	7.09	1.76	57.8	32	
B-19M	7/14/10	13:40	617.71	7.41	1.59	54.8	14	
B-20M	7/20/10	12:15	622.62	7.17	1.51	53.8	19	
B-21M	7/15/10	11:40	618.31	7.05	1.15	56.0	450	
B-22M	7/15/10	11:00	619.35	7.40	1.49	58.0	17	
B-23M	7/13/10	14:30	609.81	6.83	1.41	57.7	15	
B-24M	7/20/10	11:00	626.12	6.92	1.51	52.6	180	
B-26M	7/13/10	9:10	618.06	7.14	1.16	54.7	2.7	
B-28M	7/15/10	10:15	622.62	7.18	1.35	58.6	320	
B-29M	7/13/10	12:55	618.31	6.85	1.36	55.1	270	
B-31M	7/13/10	10:10	613.78	7.70	0.98	56.1	16	
B-32M	7/13/10	12:30	619.35	7.04	1.73	56.1	26	
B-33M	7/13/10	11:45	612.43	6.75	1.44	54.5	50	
B-38M	7/15/10	9:15	609.81	7.05	1.27	54.2	27	
B-39M	7/15/10	14:50	626.12	7.12	1.30	55.9	10	
B-40M	7/19/10	10:20	626.23	7.17	1.65	53.3	6.7	
B-41M	7/19/10	11:45	626.31	7.09	1.43	55.0	16	
B-42M	7/14/10	11:30	623.76	7.03	1.19	56.2	30	
B-43M	7/19/10	12:00	623.64	7.51	1.76	56.6	7.2	
B-44M	7/14/10	11:45	623.29	7.10	3.22	56.4	6.9	
B-45M	7/13/10	12:40	612.12	6.12	2.52	61.1	10004	
B-46M	7/13/10	11:10	613.46	7.23	1.24	53.9	130	
B-48M	7/14/10	14:30	625.40	6.99	1.25	54.9	7.4	
B-49M	7/14/10	15:40	625.56	7.14	3.36	57.5	40	
B-50M	7/20/10	14:20	616.47	6.98	1.02	55.4	32	
B-51M	7/20/10		616.48					well casing damaged by freezing - unable to sample
B-52M	7/20/10	15:15	616.26	6.60	1.49	54.4	900	
B-53M	7/20/10	15:55	616.14	6.86	1.02	53.2	16	
B-54M	7/22/10	10:00	616.00	9.4	1.73	58.0	16	
B-55M	7/22/10	12:15	615.59	7.05	4.40	55.0	3.1	
B-56M	7/20/10	10:30	617.78	7.03	1.70	53.3	340	
B-57M	7/20/10	11:10	617.80	6.88	2.51	55.5	13	
B-58M	7/20/10	9:50	617.99	7.63	1.54	53.1	19	
B-59M	7/19/10	16:50	625.53	6.68	3.19	54.1	20	
B-60M	7/19/10	15:10	625.67	6.96	2.21	58.5	10	
B-61M	7/19/10	15:20	625.72	6.98	1.34	51.8	32	
B-62M	7/22/10	11:20	623.89	6.99	3.67	55.1	45	
B-63M	7/22/10	11:25	624.14	6.72	1.35	53.3	65	
B-64M	7/22/10	13:00	623.95	6.9	1.02	54.3	28	
B-65M	7/22/10	14:20	624.19	7.19	2.24	53.9	45	
B-66M	7/19/10	12:20	625.37	7.15	0.73	53.7	45	
B-67M	7/19/10	13:00	625.51	6.69	1.04	53.2	45	

TABLE 4
GROUNDWATER ANALYTICAL RESULT SUMMARY
JULY 2010 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well Id	Sample Date	Lab Sample ID	Carbon Tetrachloride ug/l	Chloroform ug/l	1,1-Dichloroethane ug/l	1,1-Dichloroethene ug/l	Methylene chloride ug/l	trans-1,2-Dichloroethene ug/l	cis-1,2-Dichloroethene ug/l	total-1,2-Dichloroethene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Vinyl chloride ug/l	Tetrachloroethene ug/l
P-2	7/21/2010	6039078	< 2	< 1.6	180	31	< 4	7.8 J	1100	1107.8	1100	2300	60	< 1.6
P-3	7/21/2010	6039076	< 1	< 0.8	< 1	< 0.8	< 2	5.4	100	105.4	< 0.8	< 1	1.3 J	< 0.8
P-4	7/13/2010	6031624	< 1	< 0.8	6.9	3.4 J	< 2	7.7	460	467.7	5.4	760	< 1	< 0.8
PW-1	7/14/2010	6032689	< 1	< 0.8	3 J	1.2 J	< 2	2 J	180	182	2.1 J	470	6.7	< 0.8
PW-3	7/21/2010	6039079	< 5	< 4	< 5	28	< 10	20 J	2500	2520	< 4	4000	13 J	< 4
PW-4	7/21/2010	6039077	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	44	44	< 0.8	320	< 1	< 0.8
B- 3M	7/12/2010	6030552	< 1	< 0.8	< 1	1 J	< 2	4.5 J	170	174.5	< 0.8	18	24	< 0.8
B- 4M	7/12/2010	6030548	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	35	36.1	< 0.8	250	1.8 J	< 0.8
B- 5M	7/12/2010	6030549	< 1	< 0.8	< 1	< 0.8	< 2	1.3 J	33	34.3	< 0.8	3.9 J	17	< 0.8
B- 6M	7/20/2010	6038216	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	16	< 0.8	170	< 1	< 0.8
B- 7M	7/12/2010	6030554	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.4 J	1.4	< 0.8	4.9 J	< 1	< 0.8
B- 8M	7/15/2010	6033918	< 100	< 80	< 100	< 80	< 200	< 80	5600	5600	< 80	94000	410 J	< 80
B- 9M	7/12/2010	6030559	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.85 J	0.85	< 0.8	1.7 J	< 1	< 0.8
B-10M	7/12/2010	6030558	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.1	5.1	2.8 J	30	< 1	< 0.8
B-11M	7/12/2010	6030557	< 1	< 0.8	< 1	< 0.8	< 2	1.5 J	83	84.5	< 0.8	500	< 1	26
B-12M	7/12/2010	6030550	< 2	< 1.6	34	8.5 J	< 4	6.4 J	370	376.4	64	1700	2.1 J	< 1.6
B-13M	7/14/2010	6032692	< 1	< 0.8	3.3 J	2 J	< 2	8	430	438	< 0.8	140	24	< 0.8
B-15M	7/19/2010	6036144	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-16M	7/12/2010	6030553	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-17M	7/14/2010	6032688	< 10	< 8	110	46 J	< 20	53	14000	14053	14 J	4300	1700	< 8
B-18M	7/15/2010	6033922	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.5	6.5	< 0.8	< 1	5.4	< 0.8
B-19M	7/14/2010	6032693	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	2.8	< 0.8	< 1	< 1	< 0.8
B-20M	7/20/2010	6038211	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-21M	7/15/2010	6033914	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-22M	7/15/2010	6033915	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	38	38	< 0.8	7.2	< 1	< 0.8
B-23M	7/13/2010	6031621	< 1	< 0.8	1.3 J	< 0.8	< 2	0.95 J	270	270.95	< 0.8	8.2	40	< 0.8
B-24M	7/20/2010	6038212	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	3.1 J	< 1	< 0.8
B-26M	7/13/2010	6031619	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-28M	7/15/2010	6033916	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-29M	7/13/2010	6031620	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.6	6.6	< 0.8	< 1	1 J	< 0.8
B-31M	7/13/2010	6031618	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3 J	3	< 0.8	< 1	< 1	< 0.8
B-32M	7/13/2010	6031615	< 1	< 0.8	< 1	< 0.8	< 2	0.82 J	26	26.82	< 0.8	< 1	11	< 0.8
B-33M	7/13/2010	6031616	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-38M	7/15/2010	6033917	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	51	52.1	< 0.8	30	< 1	< 0.8
B-39M	7/15/2010	6033921	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.9 J	1.9	< 0.8	4.4 J	< 1	< 0.8
B-40M	7/19/2010	6036148	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.7 J	3.7	< 0.8	2.5 J	< 1	< 0.8
B-41M	7/19/2010	6036149	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.1 J	4.1	< 0.8	< 1	< 1	< 0.8
B-42M	7/14/2010	6032685	< 1	< 0.8	< 1	< 0.8	< 2	1 J	9.1	10.1	< 0.8	2.6 J	< 1	< 0.8
B-43M	7/14/2010	6032683	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	9.9	9.9	< 0.8	2.8 J	3 J	< 0.8
B-44M	7/14/2010	6032684	< 1	< 0.8	9.3	< 0.8	< 2	< 0.8	10	10	< 0.8	5.6	6.9	< 0.8
B-45M	7/13/2010	6031613	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-46M	7/13/2010	6031617	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	29	29	< 0.8	7.7	2.7 J	< 0.8
B-48M	7/14/2010	6032690	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	1.7 J	< 1	< 0.8
B-49M	7/14/2010	6032691	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-50M	7/20/2010	6038215	< 1	< 0.8	< 1	< 0.8	< 2	0.9 J	10	10.9	< 0.8	49	< 1	< 0.8
B-52M	7/20/2010	6038217	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-53M	7/20/2010	6038218	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.7 J	1.7	< 0.8	13	< 1	< 0.8
B-54M	7/22/2010	6040538	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-55M	7/22/2010	6040537	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-56M	7/20/2010	6038213	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	25	26.1	0.91 J	150	< 1	< 0.8
B-57M	7/20/2010	6038208	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-58M	7/20/2010	6038214	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-59M	7/19/2010	6036152	< 1	< 0.8	< 1	< 0.8	< 2	2.2 J	6.9	9.1	< 0.8	< 1	3 J	< 0.8
B-60M	7/19/2010	6036153	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-61M	7/19/2010	6036154	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-62M	7/22/2010	6040536	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-63M	7/22/2010	6040535	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-64M	7/22/2010	6040531	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-65M	7/22/2010	6040539	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-66M	7/19/2010	6036147	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-67M	7/19/2010	6036146	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8

TABLE 5
THIRD QUARTER 2010
GROUNDWATER REMEDIATION SYSTEM PERFORMANCE SUMMARY
Former Carborundum Facility
Wheatfield, New York

Well	Category	Units	July 2010	August 2010	September 2010
		Days	31	31	30
P-2	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.77	0.55	0.36
	Total Flow	(gal)	33,580	23,840	15,476
	VOC Concentration	(ppb)	3,468.	3,468.	3,468.
	Total Contaminant Removed	(lbs)	1.0	0.7	0.4
	% of Total Flow		0.75%	0.55%	0.59%
P-3	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.01	0.00	0.00
	Total Flow	(gal)	180	65	70
	VOC Concentration	(ppb)	107.	107.	107.
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0
	% of Total Flow		0.00%	0.00%	0.00%
P-4	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.15	0.03	0.01
	Total Flow	(gal)	6,697	1,213	324
	VOC Concentration	(ppb)	1,228.	1,228.	1,228.
	Total Contaminant Removed	(lbs)	0.1	0.0	0.0
	% of Total Flow		0.15%	0.03%	0.01%
PW-1	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	20.2	13.5	11.4
	Total Flow	(gal)	881,106	588,349	489,684
	VOC Concentration	(ppb)	659.	659.	659.
	Total Contaminant Removed	(lbs)	4.8	3.2	2.7
	% of Total Flow		19.61%	13.64%	18.67%
PW-3	Uptime	(%)	100%	100%	99%
	Average Flow	(gpm)	0.0	0.0	0.0
	Total Flow	(gal)	1,009	942	872
	VOC Concentration	(ppb)	6,533.	6,533.	6,533.
	Total Contaminant Removed	(lbs)	0.1	0.1	0.0
	% of Total Flow		0.02%	0.02%	0.03%
PW-4	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	81.8	84.7	49.5
	Total Flow	(gal)	3,571,467	3,699,173	2,116,649
	VOC Concentration	(ppb)	364.	364.	364.
	Total Contaminant Removed	(lbs)	10.8	11.2	6.4
	% of Total Flow		79.47%	85.76%	80.69%
GRS Total	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	90.7	87.3	54.0
	Total Flow-Mechanical Effluent Meter	(gal)	4,047,265	3,896,095	2,334,496
	VOCs to Influent	(ppm)	461	418	269
	Total Contaminant Removed	(lbs)	16.8	15.2	9.6

Notes:

1. For the period of 7/1/10 to 9/30/10.
2. Uptime estimated and reflects potential uptime.
3. Flow rates are estimated throughout the period due to meter malfunctions.
4. Total contaminant removed from each well is calculated using the flow through the meter at the wellhead.
5. GRS total contaminant removed is based on the percentage of flow through the effluent meter.
6. VOC Concentration (in a given well) equals the sum of the compounds cis-1,2-DCE, trans-1,2-DCE, PCE, a
7. Total flow measured at the wellheads may differ from total flow at the effluent meter.

APPENDIX A

MONITORING WELL SAMPLING FIELD FORMS

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

Monitoring Well I.D.: B-3 Date: 7/12/10 Time Started: 1345 Field Personnel: RC Becken
 Weather Conditions: overcast hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 25.02 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.2 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 2.82 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 48 Five Well Volumes (gals.) 5 V = 2.4

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>48</u>	<u>~48</u>	<u>59.5</u>	<u>1.96</u>	<u>180</u>	
	<u>~96</u>	<u>55.4</u>	<u>1.40</u>	<u>200</u>	
	<u>~144</u>	<u>54.3</u>	<u>1.22</u>	<u>140</u>	
	<u>~192</u>	<u>52.9</u>	<u>1.19</u>	<u>120</u>	

Comments: purged ~ 2.5 gal

Sampling Information

Date: 7/12/10 Time Sampled: 1430 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 22.52
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-3</u>	<u>53.6</u>	<u>7.2</u>	<u>1.14</u>	<u>70</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-4 Date: 7/12/10 Time Started: 1445 Field Personnel: RC Becken
 Weather Conditions: hot overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 27.46 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.66 Conversion Factor (gal/lineal ft) 1.25" = 0.08 5" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 4.8 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.82 Five Well Volumes (gals.) SV = 4.1

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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>-82</u>	<u>~.82</u>	<u>61.8</u>	<u>1.74</u>	<u>15</u>	<u>well dry</u>
	<u>~1.64</u>	<u>56.2</u>	<u>1.72</u>	<u>18</u>	
	<u>~2.46</u>				
	<u>~3.28</u>				

Comments: purged ~2 gal

Sampling Information

Date: 7/12/10 Time Sampled: 1545 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 26.48
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-4</u>	<u>56.1</u>	<u>7.78</u>	<u>1.74</u>	<u>26</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-5 Date: 7/12/10 Time Started: 1250 Field Personnel: RC Becken
 Weather Conditions: hot overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 31.0 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 17.96 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 13.04 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.22 Five Well Volumes (gals.) 11.1

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.22</u>	<u>~2.3</u>	<u>59.6</u>	<u>.67</u>	<u>210</u>	
	<u>~4.6</u>	<u>55.7</u>	<u>.46</u>	<u>230</u>	
	<u>~6.9</u>	<u>54.6</u>	<u>1.04</u>	<u>240</u>	
	<u>~9.2</u>	<u>54.7</u>	<u>1.07</u>	<u>90</u>	

Comments: purged 12 gal

Sampling Information

Date: 7/12/10 Time Sampled: 1330 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 18.17
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-5</u>	<u>53.6</u>	<u>7.04</u>	<u>1.05</u>	<u>140</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-6 Date: 7/20/10 Time Started: 1220 Field Personnel: RC Becken
 Weather Conditions: overcast humid hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 19.14 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.36 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 5.78 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.98 Five Well Volumes (gals.) 5V = 4.9

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>.98</u>	<u>~1</u>	<u>53.9</u>	<u>2.02</u>	<u>340</u>	
	<u>~2</u>	<u>52.7</u>	<u>1.99</u>	<u>330</u>	
	<u>~3</u>	<u>53</u>	<u>1.86</u>	<u>380</u>	
	<u>~4</u>	<u>53.1</u>	<u>1.68</u>	<u>100</u>	

Comments: 5 gal purged

Sampling Information

Date: 7/20/10 Time Sampled: 1435 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 14.0
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-6</u>	<u>52.1</u>	<u>6.9</u>	<u>1.63</u>	<u>75</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/20/10

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

Monitoring Well I.D.: B-7 Date: 7/12/10 Time Started: 1130 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 21.91 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 12.5 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 9.41 (Circle One) 4" = 0.65 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.6 Five Well Volumes (gals.) 5V = 8

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.6</u>	<u>~1.6</u>	<u>52.7</u>	<u>0.92</u>	<u>210</u>	
	<u>~3.2</u>	<u>54.9</u>	<u>0.95</u>	<u>600</u>	
	<u>~4.8</u>	<u>53.2</u>	<u>0.96</u>	<u>380</u>	
	<u>~6.4</u>	<u>53.1</u>	<u>0.99</u>	<u>450</u>	

Comments: purged 8 gals

Sampling Information

Date: 7/12/10 Time Sampled: 1200 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 12.52
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-7</u>	<u>55.1</u>	<u>6.93</u>	<u>0.98</u>	<u>400</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

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

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

Monitoring Well I.D.: B-8 Date: 7/15/10 Time Started: 1150 Field Personnel: RC Becken
 Weather Conditions: Sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 17.71 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 12.61 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 5.10 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.87 Five Well Volumes (gals.) SV = 4.3

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>-87</u>	<u>~.87</u>	<u>61.5</u>	<u>2.96</u>	<u>1000</u>	
	<u>~1.7</u>	<u>58.0</u>	<u>2.64</u>	<u>1000</u>	
	<u>2.57</u>	<u>57.8</u>	<u>2.53</u>	<u>1000</u>	
	<u>~3.4</u>	<u>57.7</u>	<u>2.48</u>	<u>500</u>	

Comments: purged ~ 4.5 gal

Sampling Information

Date: 7/15/10 Time Sampled: 1225 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 14.41
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-8</u>	<u>59.6</u>	<u>6.91</u>	<u>2.42</u>	<u>45</u>	

QA/QC Samples Taken: MS MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/10

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

Monitoring Well I.D.: B-9 Date: 7/12/10 Time Started: 0910 Field Personnel: RC Becken
 Weather Conditions: sun hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 21.18 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.87 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 7.31 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.24 Five Well Volumes (gals.) 5V = 6.2

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.24</u>	<u>~1.25</u>	<u>57.0</u>	<u>0.66</u>	<u>1000+</u>	
	<u>~2.5</u>	<u>54.0</u>	<u>0.83</u>	<u>1000+</u>	
	<u>~3.75</u>	<u>53.1</u>	<u>0.91</u>	<u>850</u>	
	<u>~5.0</u>	<u>53.0</u>	<u>0.92</u>	<u>735</u>	

Comments: purged - 6.5 gal

Sampling Information

Date: 7/12/10 Time Sampled: 0940 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 13.95
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-9</u>	<u>53.2</u>	<u>7.09</u>	<u>0.93</u>	<u>800</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-10 Date: 7/12/10 Time Started: 0945 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 27.9 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 14.93 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 12.97 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.2 Five Well Volumes (gals.) 5 x 2.2 = 11.1

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.2</u>	<u>~2.2</u>	<u>61.7</u>	<u>1.62</u>	<u>80</u>	
	<u>~4.4</u>	<u>57.4</u>	<u>1.75</u>	<u>100</u>	<u>well dry, waited 5 minutes</u>
	<u>~6.6</u>	<u>57.0</u>	<u>1.79</u>	<u>50</u>	
	<u>~8.8</u>	<u>56.1</u>	<u>1.79</u>	<u>37</u>	

Comments: purged - 11 gal

Sampling Information

Date: 7/12/10 Time Sampled: 10:25 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 19.25
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-10</u>	<u>56.5</u>	<u>7.03</u>	<u>1.86</u>	<u>60</u>	

QA/QC Samples Taken: Field Dup #1

Comments:

Signature

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

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

Monitoring Well I.D.: B-11 Date: 7/12/10 Time Started: 1105 Field Personnel: RC Becken

Weather Conditions: Sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>23.78</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>18.23</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>5.55</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>.94</u>	Five Well Volumes (gals.) <u>5x .94 = 4.7</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>.94</u>	<u>~.94</u>	<u>58.1</u>	<u>1.5</u>	<u>1000</u>	<u>well dry</u>
	<u>~1.88</u>				
	<u>~2.7</u>				
	<u>~3.6</u>				

Comments: purged ~1 gal

Sampling Information

Date: 7/12/10 Time Sampled: 1210 Field Personnel: R C Becken

Measured Water Level (TOR ft): 20.56

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-11</u>	<u>59.9</u>	<u>6.2</u>	<u>2.02</u>	<u>140</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-12 Date: 7/12/10 Time Started: 1225 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 21.87 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 19.3 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 2.57 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.44 Five Well Volumes (gals.) 2.2

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.44</u>	<u>~.44</u>	<u>60.4</u>	<u>1.27</u>	<u>950</u>	
	<u>~.88</u>	<u>56.7</u>	<u>1.30</u>	<u>700</u>	
	<u>~1.25</u>	<u>56.6</u>	<u>1.36</u>	<u>310</u>	
	<u>~1.7</u>	<u>55.5</u>	<u>1.34</u>	<u>300</u>	

Comments: purged 2.5 gal

Sampling Information

Date: 7/12/10 Time Sampled: 1245 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 19.45
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-12</u>	<u>55.3</u>	<u>6.96</u>	<u>1.36</u>	<u>450</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-13 Date: 7/14/10 Time Started: 1210 Field Personnel: RC Becken
 Weather Conditions: cloudy wet
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 35.97 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 26.64 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.47 3" = 0.38
 Calculated Water Column Height (ft) 9.23 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.57 Five Well Volumes (gals.) 5V = 7.8

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.57</u>	<u>~1.6</u>	<u>62.1</u>	<u>2.72</u>	<u>16</u>	
	<u>~3.2</u>	<u>57.0</u>	<u>1.56</u>	<u>4.2</u>	
	<u>~4.8</u>	<u>56.6</u>	<u>1.37</u>	<u>1.4</u>	
	<u>~6.4</u>	<u>56.5</u>	<u>1.35</u>	<u>1.3</u>	

Comments: purged 8 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1300 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 26.67
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-13</u>	<u>54.7</u>	<u>6.87</u>	<u>1.34</u>	<u>31</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/14/10

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

Monitoring Well I.D.: B-14 Date: 7/12/10 Time Started: 1120 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 15.76 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) well dry Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) Five Well Volumes (gals.)

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump 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>well dry</u>					

Comments:

Sampling Information

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-14</u>					

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-15 Date: 7/19/10 Time Started: 1310 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 24.1 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 14.26 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 9.84 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.67 Five Well Volumes (gals.) 5V = 8.4

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.67</u>	<u>~1.67</u>	<u>60.8</u>	<u>1.72</u>	<u>18</u>	
	<u>~3.3</u>	<u>56.8</u>	<u>1.65</u>	<u>17</u>	
	<u>~4.9</u>	<u>56.4</u>	<u>1.58</u>	<u>18</u>	
	<u>~6.6</u>	<u>57.0</u>	<u>1.53</u>	<u>31</u>	

Comments: purge ~8.5 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1340 Field Personnel: R C Becken

Measured Water Level (TOR ft): 18.91

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-15</u>	<u>54.3</u>	<u>6.63</u>	<u>1.55</u>	<u>26</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/19/10

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

Monitoring Well I.D.: B-16 Date: 7/12/10 Time Started: 10:30 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 27.18 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.94 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 4.24 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.72 Five Well Volumes (gals.) 5V = 3.6

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailer Polyethylene Bailer Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.72</u>	<u>~.72</u>	<u>59.9</u>	<u>1.25</u>	<u>110</u>	
	<u>~1.4</u>	<u>54.4</u>	<u>1.12</u>	<u>109</u>	
	<u>~2.1</u>	<u>52.4</u>	<u>1.09</u>	<u>80</u>	
	<u>~2.8</u>	<u>52.3</u>	<u>1.09</u>	<u>70</u>	

Comments: purged ~4 gal

Sampling Information

Date: 7/12/10 Time Sampled: 1100 Field Personnel: RC Becken

Measured Water Level (TOR ft): 22.95

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

Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-16</u>	<u>52.5</u>	<u>6.99</u>	<u>1.06</u>	<u>50</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-17 Date: 7/14/10 Time Started: 0825 Field Personnel: RC Becken
 Weather Conditions: ☁️ warm cloudy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>26.01</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>21.25</u>	Conversion Factor (gal/lineal ft) <u>5" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>4.76</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>0.8</u>	Five Well Volumes (gals.) <u>51 = 4.04</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>.8</u>	<u>~.8</u>	<u>58.6</u>	<u>2.52</u>	<u>140</u>	
	<u>~1.6</u>	<u>55.8</u>	<u>2.11</u>	<u>270</u>	
	<u>~2.4</u>	<u>54.7</u>	<u>1.94</u>	<u>150</u>	
	<u>~3.2</u>	<u>55.2</u>	<u>1.67</u>	<u>75</u>	

Comments: purged 4.5 gal

Sampling Information

Date: 7/14/10 Time Sampled: 0915 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 24.91
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-17</u>	<u>55.5</u>	<u>7.01</u>	<u>1.59</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/14/10

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

Monitoring Well I.D.: B-18 Date: 7/15/10 Time Started: 1235 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 50.31 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 16.91 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 33.4 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 5.7 Five Well Volumes (gals.) 51 = 28.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.7</u>	<u>~5.7</u>	<u>57.4</u>	<u>1.61</u>	<u>7.2</u>	
	<u>~10.4</u>	<u>59.1</u>	<u>2.03</u>	<u>14</u>	
	<u>~17</u>	<u>59.2</u>	<u>2.03</u>	<u>1.3</u>	
	<u>22.7</u>	<u>60.8</u>	<u>2.08</u>	<u>1.0</u>	

Comments: purged ~29 gals

Sampling Information

Date: 7/15/10 Time Sampled: 1350 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 45.4
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-18</u>	<u>57.8</u>	<u>7.09</u>	<u>1.76</u>	<u>32</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/10

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

Monitoring Well I.D.: B-19 Date: 7/14/10 Time Started: 1305 Field Personnel: RC Becken
 Weather Conditions: overcast hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 36.46 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 25.37 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 11.09 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.89 Five Well Volumes (gals.) 5V = 9.4

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.89</u>	<u>~1.9</u>	<u>56.0</u>	<u>1.56</u>	<u>2.5</u>	
	<u>~3.8</u>	<u>55.6</u>	<u>1.65</u>	<u>4.8</u>	
	<u>5.7</u>	<u>55.2</u>	<u>1.68</u>	<u>2.5</u>	
	<u>7.6</u>	<u>54.6</u>	<u>1.69</u>	<u>1.7</u>	

Comments: purged 10 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1340 Field Personnel: RC Becken

Measured Water Level (TOR ft): 26.48

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-19</u>	<u>54.8</u>	<u>7.41</u>	<u>1.59</u>	<u>14</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/14/10

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

Monitoring Well I.D.: B-20 Date: 7/20/10 Time Started: 1125 Field Personnel: RC Becken
 Weather Conditions: overcast light rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 49.95 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 12.52 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 37.43 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.36 Five Well Volumes (gals.) 5 v = 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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>6.36</u>	<u>~12.5</u>	<u>57.5</u>	<u>1.64</u>	<u>7.5</u>	
	<u>~12.5</u>	<u>53.7</u>	<u>1.64</u>	<u>10</u>	
	<u>~19</u>	<u>52.6</u>	<u>1.72</u>	<u>5.2</u>	
	<u>~25.5</u>	<u>52.3</u>	<u>1.70</u>	<u>3.0</u>	

Comments: 32 gal purged

Sampling Information

Date: 7/20/10 Time Sampled: 1215 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 32.55
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailer Polyethylene Bailer Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-20</u>	<u>53.9</u>	<u>7.17</u>	<u>1.51</u>	<u>19</u>	

QA/QC Samples Taken: Field Dup #5

Comments:

Signature

Sampler (Print):

Richard C. Becken

Sampler (signature):

Richard C. Becken

Date: 7/20/10

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

Monitoring Well I.D.: B-21 Date: 7/15/10 Time Started: 1105 Field Personnel: RC Becken
 Weather Conditions: sunny ht
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 26.46 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 19.85 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 6.61 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.24 Five Well Volumes (gals.) 5V = 5.6

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.24</u>	<u>~1.25</u>	<u>54.7</u>	<u>1.13</u>	<u>500</u>	
	<u>~2.5</u>	<u>54.1</u>	<u>1.15</u>	<u>450</u>	
	<u>~3.75</u>	<u>56.1</u>	<u>1.16</u>	<u>280</u>	
	<u>~5</u>	<u>55.9</u>	<u>1.17</u>	<u>100</u>	

Comments: purged ~6 gals

Sampling Information

Date: 7/15/10 Time Sampled: 1140 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 20.8
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-21</u>	<u>56.0</u>	<u>7.05</u>	<u>1.15</u>	<u>950</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/15/10

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

Monitoring Well I.D.: B-22 Date: 7/15/10 Time Started: 1025 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 35.95 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 28.12 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 7.83 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.33 Five Well Volumes (gals.) 5V = 6.7

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.33</u>	<u>~1.33</u>	<u>60.1</u>	<u>1.74</u>	<u>55</u>	
	<u>~2.66</u>	<u>56.4</u>	<u>1.62</u>	<u>100</u>	
	<u>~3.99</u>	<u>55.4</u>	<u>1.53</u>	<u>100</u>	
	<u>~4.4</u>	<u>55.2</u>	<u>1.52</u>	<u>60</u>	

Comments: purged - 7 gal

Sampling Information

Date: 7/15/10 Time Sampled: 1100 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 31.33

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-22</u>	<u>58.0</u>	<u>7.40</u>	<u>1.49</u>	<u>17</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/10

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

Monitoring Well I.D.: B-23 Date: 7/13/10 Time Started: 1400 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>31.68</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>25.88</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>5.8</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>986</u>	FiveWell Volumes (gals.) <u>51 = 4.93</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>986</u>	<u>~1</u>	<u>63.4</u>	<u>1.26</u>	<u>31</u>	
	<u>~2</u>	<u>62.1</u>	<u>1.4</u>	<u>5.1</u>	
	<u>~3</u>	<u>61.5</u>	<u>1.4</u>	<u>1.3</u>	
	<u>~4</u>		<u>1.43</u>	<u>7.0</u>	

Comments: purged ~ 5 gal

Sampling Information

Date: 7/13/10 Time Sampled: 1430 Field Personnel: R C Becken

Measured Water Level (TOR ft): 27.28

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-23</u>	<u>57.7</u>	<u>6.83</u>	<u>1.41</u>	<u>15</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

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

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

Monitoring Well ID: B-24 Date: 7/20/10 Time Started: 1035 Field Personnel: RC Becken
 Weather Conditions: humid hot sunny overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 26.65 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 17.4 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 9.25 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.57 Five Well Volumes (gals.) 5V = 7.9

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.57</u>	<u>~1.5</u>	<u>52.7</u>	<u>1.50</u>	<u>120</u>	
	<u>~3</u>	<u>52.1</u>	<u>1.48</u>	<u>38</u>	
	<u>~4.5</u>	<u>51.8</u>	<u>1.49</u>	<u>29</u>	
	<u>~6</u>	<u>52.1</u>	<u>1.46</u>	<u>14</u>	

Comments: 8 gal purged

Sampling Information

Date: 7/20/10 Time Sampled: 1100 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 16.51
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-24</u>	<u>53.6</u>	<u>6.92</u>	<u>1.51</u>	<u>180</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/20/10

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

Monitoring Well I.D.: B-26 Date: 7/13/16 Time Started: 0840 Field Personnel: RC Becken
 Weather Conditions: Sunny
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 30.1 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 14.35 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 15.75 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.68 Five Well Volumes (gals.) 5V = 13.4

Notes:

Well Conditions

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

Purge Information

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

Teflon Bailor Polyethylene Bailor Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.68</u>	<u>~2.7</u>	<u>59.3</u>	<u>1.21</u>	<u>45</u>	
	<u>~5.4</u>	<u>56.6</u>	<u>1.21</u>	<u>11</u>	
	<u>~8.1</u>	<u>56.2</u>	<u>1.17</u>	<u>34</u>	
	<u>~10.8</u>	<u>54.0</u>	<u>1.22</u>	<u>33</u>	

Comments: purged 14 gal

Sampling Information

Date: 7/13/16 Time Sampled: 0910 Field Personnel: R C Becken

Measured Water Level (TOR ft): 19.51

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

Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-26</u>	<u>54.7</u>	<u>7.14</u>	<u>1.16</u>	<u>27</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/13/16

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

Monitoring Well I.D.: B-28 Date: 7/15/10 Time Started: 0925 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 34.51 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 26.86 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 7.65 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.3 FiveWell Volumes (gals.) 5V = 6.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.3</u>	<u>~1.3</u>	<u>59.1</u>	<u>1.33</u>	<u>600</u>	
	<u>~2.6</u>	<u>56.2</u>	<u>1.36</u>	<u>400</u>	
	<u>~3.9</u>	<u>55.6</u>	<u>1.38</u>	<u>400</u>	
	<u>~5.2</u>	<u>55.5</u>	<u>1.37</u>	<u>350</u>	

Comments: purged ~ 6.5 gal

Sampling Information

Date: 7/15/10 Time Sampled: 1015 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 28.34
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-28</u>	<u>58.6</u>	<u>7.18</u>	<u>1.35</u>	<u>320</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/10

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

Monitoring Well I.D.: B-29 Date: 7/13/10 Time Started: 1255 Field Personnel: RC Becken
 Weather Conditions: Sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 38.42 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 29.68 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 8.74 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.49 FiveWell Volumes (gals.) 5V = 7.4

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.49</u>	<u>~1.5</u>	<u>60.5</u>	<u>1.25</u>	<u>140</u>	
	<u>~3.0</u>	<u>58.0</u>	<u>1.26</u>	<u>31</u>	
	<u>~4.5</u>	<u>58.2</u>	<u>1.26</u>	<u>22</u>	
	<u>~6</u>	<u>57.0</u>	<u>1.28</u>	<u>12</u>	

Comments: purged 4-7.5 gal

Sampling Information

Date: 7/13/10 Time Sampled: Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 29.63
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-29</u>	<u>55.1</u>	<u>6.85</u>	<u>1.36</u>	<u>270</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date:

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

Monitoring Well I.D.: B-31 Date: 7/13/10 Time Started: 0920 Field Personnel: RC Becken
 Weather Conditions: sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 43.5 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 10.67 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 32.83 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 5.58 Five Well Volumes (gals.) 5V = 28

Notes:

Well Conditions

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.58</u>	<u>~5.5</u>	<u>58.5</u>	<u>1.13</u>	<u>95</u>	
	<u>~11</u>	<u>55.1</u>	<u>1.06</u>	<u>23</u>	
	<u>~16.5</u>	<u>55.0</u>	<u>1.04</u>	<u>15</u>	
	<u>~22</u>	<u>54.3</u>	<u>1.08</u>	<u>8.5</u>	

Comments: purged 30 gal

Sampling Information

Date: 7/13/10 Time Sampled: 1010 Field Personnel: R C Becken

Measured Water Level (TOR ft.):

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-31</u>	<u>56.1</u>	<u>7.70</u>	<u>0.98</u>	<u>16</u>	

QA/QC Samples Taken: Field Dup #2

Comments:

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

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

Monitoring Well I.D.: B-32 Date: 7/13/10 Time Started: 1150 Field Personnel: RC Becken
 Weather Conditions: Sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 40.48 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 33.5 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 6.98 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.17 Five Well Volumes (gals.) 5V = 5.9

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.17</u>	<u>~1.2</u>	<u>60.1</u>	<u>1.84</u>	<u>250</u>	
	<u>~2.4</u>	<u>54.7</u>	<u>1.78</u>	<u>240</u>	
	<u>~3.6</u>	<u>53.8</u>	<u>1.77</u>	<u>170</u>	
	<u>~4.8</u>	<u>53.7</u>	<u>1.76</u>	<u>70</u>	

Comments: purged 6 gal

Sampling Information

Date: 7/13/10 Time Sampled: 1230 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 36.55
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-32</u>	<u>56.1</u>	<u>7.04</u>	<u>1.73</u>	<u>26</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-33 Date: 7/13/10 Time Started: 1120 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 32.02 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 23.2 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 8.82 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.5 Five Well Volumes (gals.) 5V = 7.5

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump 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>~1.5</u>	<u>~1.5</u>	<u>59.2</u>	<u>1.46</u>	<u>550</u>	
<u>~3</u>	<u>~3</u>	<u>59.3</u>	<u>1.44</u>	<u>8</u>	
<u>~4.5</u>	<u>~4.5</u>	<u>58.1</u>	<u>1.44</u>	<u>2.8</u>	
<u>~6</u>	<u>~6</u>	<u>56.9</u>	<u>1.46</u>	<u>56</u>	<u>well dry</u>

Comments: purged 7.5 gal

Sampling Information

Date: 7/13/10 Time Sampled: 1145 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 29.11
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-33</u>	<u>54.5</u>	<u>6.75</u>	<u>1.44</u>	<u>50</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-38 Date: 7/15/10 Time Started: 0830 Field Personnel: RC Becken
 Weather Conditions: overcast foggy warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 41.22 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 27.65 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 11.57 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.97 Five Well Volumes (gals.) 5V = 9.8

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.97</u>	<u>~2</u>	<u>56.7</u>	<u>1.30</u>	<u>950</u>	
	<u>~4</u>	<u>53.4</u>	<u>1.29</u>	<u>230</u>	
	<u>~6</u>	<u>52.8</u>	<u>1.29</u>	<u>50</u>	
	<u>~8</u>	<u>52.8</u>	<u>1.30</u>	<u>35</u>	

Comments: purged - 10 gal

Sampling Information

Date: 7/15/10 Time Sampled: 0915 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 35.65
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-38</u>	<u>54.2</u>	<u>7.05</u>	<u>1.27</u>	<u>27</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/10

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

Monitoring Well I.D.: B-39 Date: 7/15/10 Time Started: 1405 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 44.8 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 23.54 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 21.26 (Circle One) 4" = 0.65 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.61 Five Well Volumes (gals.) 5V = 18.1

Notes:

Well Conditions

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC
 Casing Condition: OK Repair Required:
 Cap Condition: OK Repair Required:
 Paint Condition: OK Repair Required:
 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: peristaltic pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>3.61</u>	<u>~3.6</u>	<u>59.2</u>	<u>1.62</u>	<u>8.5</u>	
	<u>~7.2</u>	<u>57.3</u>	<u>1.47</u>	<u>1.1</u>	
	<u>~10.8</u>	<u>56.4</u>	<u>1.41</u>	<u>1.0</u>	
	<u>~14.4</u>	<u>54.9</u>	<u>1.39</u>	<u>1.0</u>	

Comments: purged - 18.5 gal

Sampling Information

Date: 7/15/10 Time Sampled: 1450 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 23.53
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-39</u>	<u>55.9</u>	<u>7.12</u>	<u>1.50</u>	<u>10</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/15/10

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

Monitoring Well I.D.: B-40 Date: 7/19/10 Time Started: 0940 Field Personnel: RC Becken
 Weather Conditions: overcast light rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 57.91 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 24.34 Conversion Factor (gal/lineal ft) 1.25" = 0.08 6" = 0.47 3" = 0.38
 Calculated Water Column Height (ft) 33.57 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 5.7 Five Well Volumes (gals.) 5V = 28.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.7</u>	<u>~5.7</u>	<u>55.3</u>	<u>1.62</u>	<u>6.3</u>	
	<u>~11.4</u>	<u>54.6</u>	<u>1.52</u>	<u>1.7</u>	
	<u>~17.1</u>	<u>54.7</u>	<u>1.52</u>	<u>.7</u>	
	<u>~22.8</u>	<u>54.9</u>	<u>1.51</u>	<u>1.0</u>	

Comments: purged 24 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1020 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 35.52

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-40</u>	<u>55.3</u>	<u>7.17</u>	<u>1.65</u>	<u>6.7</u>	

QA/QC Samples Taken: Field Dup #4

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/19/10

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

Monitoring Well I.D.: B-41 Date: 7/19/10 Time Started: 1025 Field Personnel: RC Becken
 Weather Conditions: overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 72.56 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 29.91 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 47.65 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 8.1 Five Well Volumes (gals.) 5V = 40.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8.1</u>	<u>~8.1</u>	<u>55.4</u>	<u>2.49</u>	<u>50</u>	
	<u>~16.2</u>	<u>54.4</u>	<u>2.64</u>	<u>18</u>	
	<u>~24.3</u>	<u>54.5</u>	<u>2.64</u>	<u>9.2</u>	
	<u>~32.4</u>	<u>54.4</u>	<u>2.72</u>	<u>4.8</u>	

Comments: purged 41 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1145 Field Personnel: R C Becken

Measured Water Level (TOR ft): 30.0

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-41</u>	<u>55.0</u>	<u>7.09</u>	<u>1.43</u>	<u>16</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/19/10

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

Monitoring Well I.D.: B-42 Date: 7/14/10 Time Started: 1100 Field Personnel: RC Becken
 Weather Conditions: cloudy warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 45.38 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 21.14 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 24.24 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 4.12 Five Well Volumes (gals.) 5V = 20.6

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>4.12</u>	<u>~4.12</u>	<u>57.1</u>	<u>1.27</u>	<u>17</u>	
	<u>~8.24</u>	<u>55.5</u>	<u>1.25</u>	<u>4.1</u>	
	<u>12.75</u>	<u>55.3</u>	<u>1.20</u>	<u>2.8</u>	
	<u>21</u>	<u>54.9</u>	<u>1.20</u>	<u>1.4</u>	

Comments: purged 21 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1130 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 21.15

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-42</u>	<u>56.2</u>	<u>7.03</u>	<u>1.19</u>	<u>30</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/14/10

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

Monitoring Well I.D.: B-43 Date: 7/14/10 Time Started: 1030 Field Personnel: RC Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>58.85</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>21.76</u>	Conversion Factor (gal/lineal ft) <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>37.09</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>6.3</u>	Five Well Volumes (gals.) <u>SV = 31.5</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

Purging Method (Circle one): Stainless Steel 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>6.3</u>	<u>~6.3</u>	<u>56.2</u>	<u>2.09</u>	<u>3.1</u>	
	<u>~12.6</u>	<u>56.6</u>	<u>2.14</u>	<u>5.6</u>	
	<u>~18.9</u>				
	<u>~25.2</u>				<u>well dry at 15 gal</u>

Comments: purged 15 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1200 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 45.82

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

Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-43</u>	<u>56.6</u>	<u>7.51</u>	<u>1.76</u>	<u>7.2</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): <u>Richard C. Becken</u>	Sampler (signature): <u>[Signature]</u>	Date: <u>7/14/10</u>
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O&M Enterprises, Inc.
MONITORING WELL SAMPLING FIELD FORM
 BP, Sanborn, NY

Monitoring Well I.D.: B-44 Date: 7/14/10 Time Started: 0920 Field Personnel: RC Becken
 Weather Conditions: cloudy warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 84.5 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 23.01 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 61.49 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 10.45 FiveWell Volumes (gals.) 5V = 52.3

Notes:

Well Conditions

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

Other:

Purge Information

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

Teflon Bailor

Polyethylene Bailor

Other: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>10.45</u>	<u>~10.5</u>	<u>58.1</u>	<u>3.16</u>	<u>19</u>	<u>well dry at 17.5 gal</u>
	<u>~21</u>	<u>57.3</u>	<u>3.32</u>	<u>45</u>	

Comments: purged 17.5 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1145 Field Personnel: R C Becken

Measured Water Level (TOR ft): 62.64

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

Teflon Bailor

Polyethylene Bailor

Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-44</u>	<u>56.4</u>	<u>7.10</u>	<u>3.22</u>	<u>6.9</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/14/10

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

Monitoring Well I.D.: B-45 Date: 7/13/10 Time Started: 1025 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>24.85</u>	Riser Pipe Diameter (in)	<u>2 in.</u>
Measured Water Level (TOR - ft)	<u>22.98</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft)	<u>1.87</u>	(Circle One)	4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.)	<u>0.3</u>	FiveWell Volumes (gals.)	<u>SV = 1.5</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>.3</u>	<u>~.3</u>	<u>60.1</u>	<u>2.47</u>	<u>1000+</u>	<u>well dry</u>

Comments: purged ~.3 gal

Sampling Information

Date: 7/13/10 Time Sampled: 1240 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 23.8
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)

Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-45</u>	<u>61.1</u>	<u>6.12</u>	<u>2.52</u>	<u>1000+</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	<u>Richard C. Becken</u>	Sampler (signature):	<u>[Signature]</u>	Date:	<u>7/13/10</u>
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O&M Enterprises, Inc.
MONITORING WELL SAMPLING FIELD FORM
 BP, Sanborn, NY

Monitoring Well I.D.: B-46 Date: 7/13/10 Time Started: 1035 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 39.9 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 24.54 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 15.36 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.6 FiveWell Volumes (gals.) 5V = 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: gauge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>2.6</u>	<u>~2.6</u>	<u>53.6</u>	<u>1.27</u>	<u>90</u>	
	<u>~5.2</u>	<u>53.2</u>	<u>1.25</u>	<u>40</u>	
	<u>~7.8</u>	<u>53.5</u>	<u>1.23</u>	<u>30</u>	
	<u>~10.4</u>	<u>53.6</u>	<u>1.25</u>	<u>21</u>	

Comments: purged 15 gal

Sampling Information

Date: 7/13/10 Time Sampled: 1110 Field Personnel: R C Becken
 Measured Water Level (TOR FL): 24.58
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-46</u>	<u>53.9</u>	<u>7.23</u>	<u>1.24</u>	<u>130</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-48 Date: 7/14/10 Time Started: 1350 Field Personnel: RC Becken
 Weather Conditions: recent hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 46.9 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.94 Conversion Factor (gal/lineal ft) 1.25" = 0.08 5" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 23.91 (Circle One) 4" = 0.65 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 4.07 Five Well Volumes (gals.) 5V = 20.3

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>4.7</u>	<u>~4.7</u>	<u>60.9</u>	<u>1.35</u>	<u>7.6</u>	
	<u>~9.4</u>	<u>57.0</u>	<u>1.34</u>	<u>5.0</u>	
	<u>~14.1</u>	<u>54.8</u>	<u>1.32</u>	<u>2.0</u>	
	<u>~18.8</u>	<u>54.0</u>	<u>1.36</u>	<u>1.85</u>	

Comments: purged 21 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1430 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 23.03
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-48</u>	<u>54.9</u>	<u>6.99</u>	<u>1.25</u>	<u>7.4</u>	

QA/QC Samples Taken: Field Dup #3

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/14/10

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

Monitoring Well I.D.: B-49 Date: 7/14/10 Time Started: 1435 Field Personnel: RC Becken
 Weather Conditions: overcast w/lt
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 82.45 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 30.51 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 51.94 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 8.83 Five Well Volumes (gals.) 5V = 44.1

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8.83</u>	<u>~9</u>	<u>56.5</u>	<u>3.49</u>	<u>18</u>	
	<u>~18</u>	<u>54.6</u>	<u>3.57</u>	<u>2.1</u>	
	<u>~27</u>	<u>55.9</u>	<u>3.59</u>	<u>0.65</u>	
	<u>~36</u>	<u>55.4</u>	<u>3.61</u>	<u>0.75</u>	

Comments: purged 45 gal

Sampling Information

Date: 7/14/10 Time Sampled: 1540 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 38.77
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-49</u>	<u>57.5</u>	<u>7.14</u>	<u>3.36</u>	<u>40</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/14/10

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

Monitoring Well I.D.: B-50 Date: 7/20/10 Time Started: 1345 Field Personnel: RC Becken
 Weather Conditions: overcast humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>35.79</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>13.6</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08 2" = 0.17 3" = 0.38</u>
Calculated Water Column Height (ft) <u>22.19</u>	(Circle One) <u>4" = 0.66 6" = 1.50 8" = 2.60</u>
One Well Volume (gals.) <u>3.77</u>	Five Well Volumes (gals.) <u>19</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
<u>3.77</u>	<u>~3.75</u>	<u>51.9</u>	<u>1.08</u>	<u>70</u>	
	<u>~7.5</u>	<u>51.4</u>	<u>1.06</u>	<u>21</u>	
	<u>~11.25</u>	<u>51.1</u>	<u>1.07</u>	<u>8.7</u>	
	<u>~15</u>	<u>51.1</u>	<u>1.06</u>	<u>4.9</u>	

Comments: 20 gal purged

Sampling Information

Date: 7/20/10 Time Sampled: 1420 Field Personnel: RC Becken

Measured Water Level (TOR ft): 13.6

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

Sample I.D.	Temperature (deg C)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
<u>B-50</u>	<u>55.4</u>	<u>6.98</u>	<u>1.02</u>	<u>32</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):

Richard C. Becken

Sampler (signature):

Richard C. Becken

Date: 7/20/10

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

Monitoring Well I.D.: B-51 Date: 7/20/10 Time Started: Field Personnel: RC Becken
 Weather Conditions:
 Comments:

Initial Readings

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

Notes:

Well Conditions

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

well crushed due to freezing last winter

Purge Information

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

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

Comments:

Sampling Information

Date: Time Sampled: Field Personnel: R C Becken
 Measured Water Level (TOR ft):
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-52 Date: 7/20/10 Time Started: 1445 Field Personnel: RC Becken
 Weather Conditions: sunny humid hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 22.38 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.28 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 9.1 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.55 FiveWell Volumes (gals.) 5V = 7.7

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>1.55</u>	<u>~1.5</u>	<u>57.7</u>	<u>1.48</u>	<u>260</u>	
	<u>~3</u>	<u>57.0</u>	<u>1.46</u>	<u>75</u>	
	<u>~4.5</u>	<u>56.7</u>	<u>1.46</u>	<u>40</u>	
	<u>~6</u>	<u>55.6</u>	<u>1.47</u>	<u>28</u>	

Comments: purged 8 gal

Sampling Information

Date: 7/20/10 Time Sampled: 1525 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 13.3
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-52</u>	<u>54.4</u>	<u>6.60</u>	<u>1.49</u>	<u>950</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/20/10

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

Monitoring Well I.D.: B-53 Date: 7/20/10 Time Started: 1520 Field Personnel: RC Becken
 Weather Conditions: sunny but humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>37.26</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>13.27</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>2" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>23.99</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>4.08</u>	Five Well Volumes (gals.) <u>5V = 20.4</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>4.08</u>	<u>~4</u>	<u>52.7</u>	<u>1.21</u>	<u>25</u>	
	<u>~8</u>	<u>51.9</u>	<u>1.17</u>	<u>85</u>	
	<u>~12</u>	<u>51.5</u>	<u>1.16</u>	<u>2.3</u>	
	<u>~16</u>	<u>51.4</u>	<u>1.16</u>	<u>1</u>	

Comments: purged 21 gal

Sampling Information

Date: 7/20/10 Time Sampled: 1555 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 13.41
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-53</u>	<u>53.2</u>	<u>6.86</u>	<u>1.02</u>	<u>16</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/20/10

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

Monitoring Well I.D.: B-54 Date: 7/22/10 Time Started: 0940 Field Personnel: RC Becken
 Weather Conditions: clear sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 57.43 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.27 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 44.16 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 7.50 Five Well Volumes (gals.) SV = 37.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>7.5</u>	<u>-7.5</u>	<u>54.6</u>	<u>1.42</u>	<u>45</u>	<u>well dry at 10 gals</u>

Comments: purged + 10 gals

Sampling Information

Date: 7/22/10 Time Sampled: 1000 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 52.75
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-54</u>	<u>58.0</u>	<u>9.4</u>	<u>1.73</u>	<u>16</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/22/10

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

Monitoring Well I.D.: B-55 Date: 7/22/10 Time Started: 0900 Field Personnel: RC Becken
 Weather Conditions: sunny clear warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 83.97 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 31.99 Conversion Factor (gal/lineal ft) 1.25" = 0.08 (2" = 0.17) 3" = 0.38
 Calculated Water Column Height (ft) 51.98 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 8.84 Five Well Volumes (gals.) SV = 44.2

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>8.84</u>	<u>~8.8</u>	<u>55.3</u>	<u>4.39</u>	<u>32</u>	<u>well dry at 12.5 gals</u>

Comments: purged app. 12.5 gals

Sampling Information

Date: 7/22/10 Time Sampled: 1215 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 70.25
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-55</u>	<u>55.0</u>	<u>7.05</u>	<u>4.40</u>	<u>3.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/22/10

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

Monitoring Well I.D.: B-56 Date: 7/20/10 Time Started: 1000 Field Personnel: RC Becken
 Weather Conditions: clear sunny humid hot overcast
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 39.6 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 26.75 Conversion Factor (gal/lineal ft) 1.25" = 0.08 (2" = 0.17) 3" = 0.38
 Calculated Water Column Height (ft) 12.85 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.18 FiveWell Volumes (gals.) 5V = 10.9

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg. C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>2.18</u>	<u>~2.18</u>	<u>53.3</u>	<u>1.87</u>	<u>130</u>	
	<u>~4.3</u>	<u>52.6</u>	<u>1.52</u>	<u>35</u>	
	<u>~6.4</u>	<u>52.4</u>	<u>1.50</u>	<u>31</u>	
	<u>~8.6</u>	<u>52.4</u>	<u>1.40</u>	<u>34</u>	

Comments: purged 11 gal

Sampling Information

Date: 7/20/10 Time Sampled: 1030 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 30.2
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg. C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-56</u>	<u>53.3</u>	<u>7.03</u>	<u>1.70</u>	<u>340</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/20/10

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

Monitoring Well I.D.: B-57 Date: 7/20/10 Time Started: 740 Field Personnel: RC Becken
 Weather Conditions: clear sunny humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 50.56 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 28.92 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 21.64 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.68 Five Well Volumes (gals.) 5V = 18.4

Notes:

Well Conditions

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC
 Casing Condition: OK Repair Required:
 Cap Condition: OK Repair Required:
 Paint Condition: OK Repair Required:
 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>3.68</u>	<u>~3.7</u>	<u>55.0</u>	<u>2.74</u>	<u>33</u>	
	<u>~7.4</u>	<u>53.4</u>	<u>2.89</u>	<u>37</u>	<u>well dry</u>

Comments: purged 19 gal

Sampling Information

Date: 7/20/10 Time Sampled: 1110 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 38.5
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-57</u>	<u>55.5</u>	<u>6.88</u>	<u>2.51</u>	<u>13</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print):

Richard C. Becken

Sampler (signature):

Richard C. Becken

Date: 7/20/10

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

Monitoring Well I.D.: B-58 Date: 7/20/10 Time Started: 855 Field Personnel: RC Becken
 Weather Conditions: clear sunny humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 63.55 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 25.86 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 37.69 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.4 Five Well Volumes (gals.) 51.2

Notes:

Well Conditions

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

Other:

Purge Information

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other: PVDF 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>53.7</u>	<u>1.78</u>	<u>17</u>	
	<u>~12.8</u>	<u>52.5</u>	<u>1.74</u>	<u>13</u>	
	<u>~19.0</u>	<u>52.4</u>	<u>1.74</u>	<u>8</u>	
	<u>~25.4</u>	<u>53.4</u>	<u>1.76</u>	<u>2.5</u>	

Comments: purged 32 gal

Sampling Information

Date: 7/20/10 Time Sampled: 0950 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 35.11
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-58</u>	<u>53.1</u>	<u>7.63</u>	<u>1.54</u>	<u>19</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):

Richard C. Becken

Sampler (signature):

Richard C. Becken

Date: 7/20/10

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

Monitoring Well I.D.: B-59 Date: 7/19/10 Time Started: 1525 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 69.14 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 30.66 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 38.48 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.5 Five Well Volumes (gals.) 5V = 32.7

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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>6.5</u>	<u>~6.5</u>	<u>55.2</u>	<u>1.42</u>	<u>180</u>	
	<u>~13</u>	<u>53.4</u>	<u>1.98</u>	<u>220</u>	
	<u>~19.5</u>	<u>53.7</u>	<u>2.95</u>	<u>130</u>	
	<u>26</u>	<u>54.0</u>	<u>3.19</u>	<u>40</u>	

Comments: purged 33 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1650 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 34.71
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-59</u>	<u>54.1</u>	<u>6.68</u>	<u>3.19</u>	<u>20</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/19/10

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

Monitoring Well I.D.: B-60 Date: 7/19/10 Time Started: 1350 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 55.05 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 24.1 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 30.95 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 5.3 Five Well Volumes (gals.) SV = 26.3

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>J-3</u>	<u>~5.3</u>	<u>56.1</u>	<u>2.48</u>	<u>2.5</u>	
	<u>~10.6</u>	<u>53.5</u>	<u>2.73</u>	<u>4.9</u>	
	<u>~15.9</u>	<u>53.4</u>	<u>2.77</u>	<u>1.0</u>	
	<u>~20.2</u>	<u>53.1</u>	<u>2.55</u>	<u>1.0</u>	

Comments: purged 27 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1510 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 42.76

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-60</u>	<u>53.5</u>	<u>6.96</u>	<u>2.21</u>	<u>10</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/19/10

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

Monitoring Well I.D.: B-61 Date: _____ Time Started: 1415 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments: _____

Initial Readings

Measured Well Bottom (TOR - ft) 29.06 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 23.47 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 5.59 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.95 Five Well Volumes (gals.) 5V = 4.75
 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

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.95</u>	<u>~1</u>	<u>53.1</u>	<u>1.30</u>	<u>25</u>	
	<u>~2</u>	<u>52.6</u>	<u>1.40</u>	<u>35</u>	
	<u>~3</u>	<u>52.7</u>	<u>1.37</u>	<u>45</u>	
	<u>~4</u>	<u>52.2</u>	<u>1.35</u>	<u>40</u>	

Comments: purged 5 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1520 Field Personnel: RC Becken
 Measured Water Level (TOR ft): _____
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other: _____

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-61</u>	<u>51.8</u>	<u>6.98</u>	<u>1.34</u>	<u>32</u>	

QA/QC Samples Taken: _____
 Comments: _____

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/19/10

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

Monitoring Well I.D.: B-62 Date: 7/22/10 Time Started: 1015 Field Personnel: RC Becken
 Weather Conditions: sunny clear warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 91.5 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 15.4 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 76.1 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 12.94 Five Well Volumes (gals.) 5V = 64.7

Notes:

Well Conditions

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC
 Casing Condition: OK Repair Required: hacked into by excavator needs more repair
 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>12.94</u>	<u>~15</u>	<u>55.9</u>	<u>3.67</u>	<u>1.7</u>	
	<u>~26</u>	<u>54.1</u>	<u>3.76</u>	<u>1.0</u>	
	<u>~39</u>	<u>52.4</u>	<u>3.76</u>	<u>1.0</u>	
	<u>~44</u>	<u>52.9</u>	<u>3.82</u>	<u>1.0</u>	

Comments: approx. 65 gal purged

Sampling Information

Date: 7/22/10 Time Sampled: 1120 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 15.4
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-62</u>	<u>55.1</u>	<u>6.99</u>	<u>3.67</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/22/10

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

Monitoring Well I.D.: B-63 Date: 7/22/10 Time Started: 1030 Field Personnel: RC Becken
 Weather Conditions: sunny clear warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 27.4 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.15 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 5.25 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.89 Five Well Volumes (gals.) 51 = 4.46

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>0.89</u>	<u>~5.9</u>	<u>52.3</u>	<u>1.77</u>	<u>500</u>	
	<u>~1.8</u>	<u>51.8</u>	<u>1.48</u>	<u>210</u>	
	<u>~2.7</u>	<u>52.1</u>	<u>1.43</u>	<u>170</u>	
	<u>~3.6</u>	<u>53.0</u>	<u>1.50</u>	<u>110</u>	

Comments: approx. 3 gals purged

Sampling Information

Date: 7/22/10 Time Sampled: 1125 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 22.4
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-63</u>	<u>53.3</u>	<u>6.72</u>	<u>1.35</u>	<u>60</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/22/10

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

Monitoring Well I.D.: B-64 Date: 7/22/10 Time Started: 1130 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 42.44 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.45 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 19.99 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.4 Five Well Volumes (gals.) 5V = 17

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>3.4</u>	<u>~3.4</u>	<u>53.3</u>	<u>1.13</u>	<u>4.0</u>	
	<u>~6.8</u>	<u>52.2</u>	<u>1.05</u>	<u>5.0</u>	
	<u>~10.2</u>	<u>52.7</u>	<u>1.04</u>	<u>4.3</u>	
	<u>~13.6</u>	<u>51.9</u>	<u>1.02</u>	<u>4.6</u>	

Comments: open, 17 gals purged

Sampling Information

Date: 7/22/10 Time Sampled: 1300 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 22.37
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-64</u>	<u>54.3</u>	<u>6.9</u>	<u>1.02</u>	<u>2.8</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/22/10

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

Monitoring Well I.D.: B-65 Date: 7/22/10 Time Started: 1515 Field Personnel: RC Becken
 Weather Conditions: slimy hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 57.55 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.8 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 34.75 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 5.9 Five Well Volumes (gals.) 5V = 29.5

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>5.9</u>	<u>~6</u>	<u>54.4</u>	<u>2.87</u>	<u>7.4</u>	
	<u>~12</u>	<u>52.7</u>	<u>3.05</u>	<u>2.2</u>	
	<u>~18</u>	<u>52.5</u>	<u>3.07</u>	<u>3.1</u>	
	<u>~24</u>	<u>52.6</u>	<u>3.13</u>	<u>9.0</u>	

Comments: purged 30 gals

Sampling Information

Date: 7/22/10 Time Sampled: 1420 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 35.3

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-65</u>	<u>53.9</u>	<u>7.19</u>	<u>2.24</u>	<u>4.5</u>	

QA/QC Samples Taken: Field Dup #6

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/22/10

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

Monitoring Well I.D.: B-66 Date: 7/19/10 Time Started: 1150 Field Personnel: RC Becken
 Weather Conditions: overcast humid hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 32.74 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 23.25 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 9.49 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.61 Five Well Volumes (gals.) 5V = 8.05

Notes:

Well Conditions

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC
 Casing Condition: OK Repair Required:
 Cap Condition: OK Repair Required:
 Paint Condition: OK Repair Required:
 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: plunge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.61</u>	<u>~1.61</u>	<u>58.5</u>	<u>0.79</u>	<u>23</u>	
	<u>~3.22</u>	<u>56.0</u>	<u>0.88</u>	<u>8.6</u>	
	<u>~4.8</u>	<u>55.0</u>	<u>0.94</u>	<u>4.2</u>	
	<u>~6.4</u>	<u>54.5</u>	<u>0.95</u>	<u>1.9</u>	

Comments: purged ~8.5 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1920 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 23.35
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-66</u>	<u>53.7</u>	<u>7.15</u>	<u>0.73</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/19/10

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

Monitoring Well I.D.: B-67 Date: 7/19/10 Time Started: 1225 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 25.17 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 18.57 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 6.6 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.12 Five Well Volumes (gals.) 5.6

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.12</u>	<u>-1</u>	<u>55.9</u>	<u>1.02</u>	<u>22</u>	
	<u>~2</u>	<u>53.1</u>	<u>1.07</u>	<u>140</u>	
	<u>~3</u>	<u>52.5</u>	<u>1.05</u>	<u>32</u>	
	<u>~4</u>	<u>52.7</u>	<u>1.04</u>	<u>75</u>	

Comments: purged - 6 gal

Sampling Information

Date: 7/19/10 Time Sampled: 1300 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 19.98
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-67</u>	<u>53.2</u>	<u>6.69</u>	<u>1.04</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/19/10

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

Monitoring Well I.D.: P-2 Date: 7/2/10 Time Started: 10:36 Field Personnel: RC Becken
 Weather Conditions: Sunny warm humid
 Comments:

Initial Readings

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

Notes:

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 7/2/10 Time Sampled: 10:37 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 19.7
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
 Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-2</u>	<u>60.3</u>	<u>7.05</u>	<u>2.09</u>	<u>5.3</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/2/10

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

Monitoring Well I.D.: P-3 Date: 7/21/10 Time Started: 1100 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

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

Well Conditions

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

Purge Information

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

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

Comments:

Sampling Information

Date: 7/21/10 Time Sampled: 1105 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 25.0
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-3</u>	<u>59.8</u>	<u>6.15</u>	<u>1.90</u>	<u>9.4</u>	

QA/QC Samples Taken:
 Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/10

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

Monitoring Well I.D.: P-4 Date: 7/13/10 Time Started: 1500 Field Personnel: RC Becken
 Weather Conditions:
 Comments:

Initial Readings

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

Notes:

Well Conditions

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

Casing Condition:	<u>OK</u>	Repair Required:
Cap Condition:	<u>OK</u>	Repair Required: <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

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

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

Comments:

Sampling Information

Date: 7/13/10 Time Sampled: 1500 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 25.59

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-4</u>	<u>58.9</u>	<u>6.71</u>	<u>1.28</u>	<u>435</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: PW-1 Date: 7/14/10 Time Started: 0840 Field Personnel: RC Becken
 Weather Conditions: cloudy warm
 Comments:

Initial Readings

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

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other:

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

Comments:

Sampling Information

Date: 7/14/10 Time Sampled: 0840 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 27.33

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

Teflon Bailor Polyethylene Bailor Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-1</u>	<u>56.7</u>	<u>7.13</u>	<u>127</u>	<u>1.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):	<u>Richard C. Becken</u>	Sampler (signature): <u></u>	Date: <u>7/14/10</u>
------------------	--------------------------	------------------------------------------------------------------------------------------------------------------	----------------------

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

Monitoring Well I.D.: PW-3 Date: _____ Time Started: 1110 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments: _____

Initial Readings

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

Notes: _____

Well Conditions

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

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

Other: _____

Purge Information

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

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

Comments: _____

Sampling Information

Date: 7/21/10 Time Sampled: 1112 Field Personnel: R C Becken
 Measured Water Level (TOR ft): _____

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-3</u>	<u>63.4</u>	<u>6.59</u>	<u>1.15</u>	<u>8.7</u>	

QA/QC Samples Taken: _____

Comments: _____

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/10

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

Monitoring Well I.D.: PW-4 Date: 7/21/10 Time Started: 1050 Field Personnel: RC Becken
 Weather Conditions: Sunny hot humid
 Comments:

Initial Readings

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

Notes:

Well Conditions

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

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

Other:

Purge Information

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

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

Comments:

Sampling Information

Date: 7/21/10 Time Sampled: 1051 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 20.7
 Sampling Method (Circle one): Stainless Steel Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailer Polyethylene Bailer Other:

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-4</u>	<u>59.5</u>	<u>6.24</u>	<u>1.5</u>	<u>1.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/10

APPENDIX B

LABORATORY DATA REPORTS

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 22, 2010

Project: BP Sanborn - July Quarterly Sampling

Submittal Date: 07/13/2010

Group Number: 1202765

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-4 Water	6030548
B-5 Water	6030549
B-12 Water	6030550
Field Dup #1 Water	6030551
B-3 Water	6030552
B-16 Water	6030553
B-7 Water	6030554
B-7MS Matrix Spike Water	6030555
B-7MSD Matrix Spike Dup Water	6030556
B-11 Water	6030557
B-10 Water	6030558
B-9 Water	6030559

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

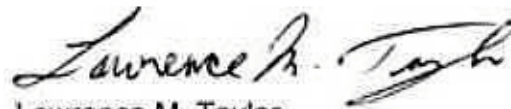
ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist

Sample Description: B-4 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-4

LLI Sample # WW 6030548
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 15:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	35	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.1 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	250	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	1.8 J	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-4 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-4

LLI Sample # WW 6030548
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 15:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS04

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 02:20	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 02:20	Sara E Johnson	1

Sample Description: B-5 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-5

LLI Sample # WW 6030549
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	33	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.3 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	3.9 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	17	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-5 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-5

LLI Sample # WW 6030549
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS05

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 02:43	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 02:43	Sara E Johnson	1

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

Sample Description: B-12 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-12

LLI Sample # WW 6030550
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	2.0	10	2
10903	Bromobenzene	108-86-1	N.D.	2.0	10	2
10903	Bromodichloromethane	75-27-4	N.D.	2.0	10	2
10903	Bromoform	75-25-2	N.D.	2.0	10	2
10903	Bromomethane	74-83-9	N.D.	2.0	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2.0	10	2
10903	Chlorobenzene	108-90-7	N.D.	1.6	10	2
10903	Chloroethane	75-00-3	N.D.	2.0	10	2
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4.0	20	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	1.6	10	2
10903	Chloromethane	74-87-3	N.D.	2.0	10	2
10903	Dibromochloromethane	124-48-1	N.D.	2.0	10	2
10903	Dibromomethane	74-95-3	N.D.	2.0	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.	2.0	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.	2.0	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.	2.0	10	2
10903	Dichlorodifluoromethane	75-71-8	N.D.	4.0	10	2
10903	1,1-Dichloroethane	75-34-3	34	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	8.5 J	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	370	1.6	10	2
10903	trans-1,2-Dichloroethene	156-60-5	6.4 J	1.6	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2.0	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.0	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.0	10	2
10903	Methylene Chloride	75-09-2	N.D.	4.0	10	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2.0	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.0	10	2
10903	Tetrachloroethene	127-18-4	N.D.	1.6	10	2
10903	1,1,1-Trichloroethane	71-55-6	64	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10	2
10903	Trichloroethene	79-01-6	1,700	20	100	20
10903	Trichlorofluoromethane	75-69-4	N.D.	4.0	10	2
10903	1,2,3-Trichloropropane	96-18-4	N.D.	2.0	10	2
10903	Vinyl Chloride	75-01-4	2.1 J	2.0	10	2

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-12 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-12

LLI Sample # WW 6030550
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 05:25	Sara E Johnson	2
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 05:48	Sara E Johnson	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 05:25	Sara E Johnson	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N101952AA	07/15/2010 05:48	Sara E Johnson	20

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

Sample Description: Field Dup #1 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY Fld Dup #1

LLI Sample # WW 6030551
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	5.1	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	2.9 J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	31	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: Field Dup #1 Water
 BP Sanborn COC: 193390
 2040 Cory Dr - Sanborn, NY Fld Dup #1

LLI Sample # WW 6030551
 LLI Group # 1202765
 Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDSD1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 03:07	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 03:07	Sara E Johnson	1

Sample Description: B-3 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-3

LLI Sample # WW 6030552
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	1.0 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	170	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	4.5 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	18	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	24	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-3 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-3

LLI Sample # WW 6030552
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS03

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 03:30	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 03:30	Sara E Johnson	1

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

Sample Description: B-16 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-16

LLI Sample # WW 6030553
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS16

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-16 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-16

LLI Sample # WW 6030553
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS16

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 03:53	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 03:53	Sara E Johnson	1

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

Sample Description: B-7 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-7

LLI Sample # WW 6030554
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	1.4 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	4.9 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-7 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-7

LLI Sample # WW 6030554
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 01:11	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 01:11	Sara E Johnson	1

Sample Description: B-7MS Matrix Spike Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-7

LLI Sample # WW 6030555
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	17	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	25	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	21	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	28	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	18	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	24	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	21	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	20	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
10903	Methylene Chloride	75-09-2	19	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	21	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	22	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	26	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-7MS Matrix Spike Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-7

LLI Sample # WW 6030555
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 01:34	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 01:34	Sara E Johnson	1

Sample Description: B-7MSD Matrix Spike Dup Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-7

LLI Sample # WW 6030556
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	16	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	23	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	21	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	28	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	18	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	24	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	21	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	20	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	23	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	22	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
10903	Methylene Chloride	75-09-2	19	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	21	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	22	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	27	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-7MSD Matrix Spike Dup Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-7

LLI Sample # WW 6030556
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS07

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 01:57	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 01:57	Sara E Johnson	1

Sample Description: B-11 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-11

LLI Sample # WW 6030557
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS11

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	83	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.5 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	26	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	500	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-11 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-11

LLI Sample # WW 6030557
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS11

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 05:02	Sara E Johnson	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101991AA	07/18/2010 22:41	Nicholas P Riehl	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 05:02	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T101991AA	07/18/2010 22:41	Nicholas P Riehl	10

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

Sample Description: B-10 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-10

LLI Sample # WW 6030558
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS10

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	5.1	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	2.8 J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	30	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-10 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-10

LLI Sample # WW 6030558
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS10

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 04:16	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 04:16	Sara E Johnson	1

Sample Description: B-9 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6030559
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS09

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	0.85 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	1.7 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-9 Water
BP Sanborn COC: 193390
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6030559
LLI Group # 1202765
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/12/2010 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2010 09:45

BP Corporation

Reported: 07/22/2010 13:33

501 WestLake Park Blvd

Discard: 08/22/2010

Houston TX 77079

CDS09

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N101952AA	07/15/2010 04:39	Sara E Johnson	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N101952AA	07/15/2010 04:39	Sara E Johnson	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/22/10 at 01:33 PM

Group Number: 1202765

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: N101952AA	Sample number(s): 6030548-6030559								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	80		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	92		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	84		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	113		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	91		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	100		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	126		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	89		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	99		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	105		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	93		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	98		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	84		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	97		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	97		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	91		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	98		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	100		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	94		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	99		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	102		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	98		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	97		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	101		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	101		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	99		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	105		59-120		
Batch number: T101991AA	Sample number(s): 6030557								
Trichloroethene	N.D.	1.0	5.0	ug/l	106		80-120		

Sample Matrix Quality Control

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1202765

Reported: 07/22/10 at 01:33 PM

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

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: N101952AA Sample number(s): 6030548-6030559 UNSPK: 6030554									
Benzyl Chloride	83	82	62-120	0	30				
Bromobenzene	105	103	82-115	1	30				
Bromodichloromethane	98	98	78-125	0	30				
Bromoform	85	85	60-121	0	30				
Bromomethane	124	116	38-149	6	30				
Carbon Tetrachloride	104	104	81-138	0	30				
Chlorobenzene	108	106	87-124	1	30				
Chloroethane	138	138	51-145	0	30				
2-Chloroethyl Vinyl Ether	89	89	10-151	0	30				
Chloroform	106	106	81-134	0	30				
Chloromethane	118	120	67-154	2	30				
Dibromochloromethane	97	96	74-116	0	30				
Dibromomethane	102	101	83-119	1	30				
1,2-Dichlorobenzene	105	105	84-119	0	30				
1,3-Dichlorobenzene	105	105	86-121	0	30				
1,4-Dichlorobenzene	105	104	85-121	1	30				
Dichlorodifluoromethane	104	106	64-163	2	30				
1,1-Dichloroethane	105	105	84-129	0	30				
1,2-Dichloroethane	104	103	66-141	1	30				
1,1-Dichloroethene	101	102	85-142	1	30				
cis-1,2-Dichloroethene	105	107	85-125	2	30				
trans-1,2-Dichloroethene	107	109	87-126	2	30				
1,2-Dichloropropane	105	104	83-124	1	30				
cis-1,3-Dichloropropene	100	100	75-125	0	30				
trans-1,3-Dichloropropene	98	98	74-119	0	30				
Methylene Chloride	97	97	79-120	0	30				
1,1,1,2-Tetrachloroethane	100	98	82-119	2	30				
1,1,2,2-Tetrachloroethane	105	103	73-119	2	30				
Tetrachloroethene	112	110	80-128	2	30				
1,1,1-Trichloroethane	108	109	80-143	1	30				
1,1,2-Trichloroethane	103	105	77-124	2	30				
Trichloroethene	107	109	88-133	1	30				
Trichlorofluoromethane	120	121	73-152	1	30				
1,2,3-Trichloropropane	102	101	76-118	1	30				
Vinyl Chloride	123	127	66-133	3	30				
Batch number: T101991AA Sample number(s): 6030557 UNSPK: P033079									
Trichloroethene	115	117	88-133	1	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N101952AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6030548	99	98	99	91
6030549	98	98	99	90

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/22/10 at 01:33 PM

Group Number: 1202765

Surrogate Quality Control

6030550	100	99	99	89
6030551	98	98	99	90
6030552	99	99	100	89
6030553	99	99	99	89
6030554	98	98	101	93
6030555	99	97	102	96
6030556	101	98	103	98
6030557	99	99	100	90
6030558	99	101	100	88
6030559	99	99	99	89
Blank	98	97	100	90
LCS	101	99	103	98
MS	99	97	102	96
MSD	101	98	103	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: T101991AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	98	101	105	106
LCS	98	101	109	109
MS	97	100	109	112
MSD	97	100	108	111
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 - July Quarterly Sampling
LLI Group #: 1202765

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:**10903: 8260 Std. Water Master**

Sample #s: 6030548

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

Sample #s: 6030549, 6030550, 6030551, 6030552, 6030553, 6030554, 6030555, 6030556, 6030557, 6030558, 6030559

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

Lab Name: <u>Lancaster Labs</u>				BP/ARC Facility Address: <u>2040 Comp Dr</u>				Consultant/Contractor: <u>Parsons</u>								
Lab Address: <u>2425 New Holland Pike, Lancaster, Pa 17601</u>				City, State, ZIP Code: <u>Sarnam, NY 14132</u>				Consultant/Contractor Project No:								
Lab PM: <u>Jessica Oknefski</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 La Riviere Dr. Suite 350 Buffalo, NY 14202</u>								
Lab Phone: <u>(717) 256-2300</u>				California Global ID No.:				Consultant/Contractor PM: <u>George Hernandez</u>								
Lab Shipping Acct:				Enfos Proposal No: <u>0041W-0038</u>				Phone: <u>(716) 809-4990</u>								
Lab Bottle Order No:				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u>								
Other Info:				Stage: <u>50</u> Activity: <u>22</u>				Invoice To: <u>BP/ARG</u> Contractor _____								
BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative				Requested Analyses				Report Type & QC Level		
EBM Phone: <u>(216) 271-8058</u>														Standard _____		
EBM Email:														Full Data Package _____		
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	Comments			
	B-4	7/12/10	1545				3	X					X	long list July		
	B-5	7/12/10	1330				3	X					X	Quarterly sampling		
	B-12	7/12/10	1245				3	X					X	per Gatt. 7/14/10		
	Field Dp #1	7/12/10					3	X					X			
	B-3	7/12/10	1430				3	X					X			
	B-16	7/12/10	1100				3	X					X			
	B-7	7/12/10	1200				3	X					X			
	B-7MS	7/12/10	1200				3	X					X			
	B-7MSD	7/12/10	1200				3	X					X			
	B-11	7/12/10	1210				3	X					X			
Sampler's Name: <u>Richard C. Barber</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time	
Sampler's Company: <u>Am. Petroleum, Inc.</u>				<u>Richard C. Barber</u>				7/12/10	1830							
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/12/10</u>														7/13/10	945	
Shipment Tracking No: <u>868873682276</u>																
Special Instructions:																

Laboratory Copy

Environmental Sample Administration Receipt Documentation Log

Client/Project: O + M
 Date of Receipt: 7/13/10
 Time of Receipt: 945
 Source Code: S0-1
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

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

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	1396	7.5°, 8.1°, 8.8°, 12.1°, 10.5°	ST	WI	Y	B	TB > 10
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

B-S time = 1545

Entered per LOC - 7/14/10

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Jimmy Deland</u>	<u>7/13/10</u>	<u>1606</u>	Unpacking to storage
	<u>7/13/10</u>	<u>1624</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP 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
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 $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample 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 meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 23, 2010

Project: BP Sanborn - July Quarterly Sampling

Submittal Date: 07/14/2010

Group Number: 1202955

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-45 Water	6031613
Field Dup #2 Water	6031614
B-32 Water	6031615
B-33 Water	6031616
B-46 Water	6031617
B-31 Water	6031618
B-26 Water	6031619
B-29 Water	6031620
B-23 Water	6031621
B-23MS Matrix Spike Water	6031622
B-23MSD Matrix Spike Dup Water	6031623
P-4 Water	6031624

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

ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: B-45 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-45

LLI Sample # WW 6031613
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS45

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-45 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-45

LLI Sample # WW 6031613
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS45

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102002AA	07/20/2010 05:43	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102002AA	07/20/2010 05:43	Angela D Sneeringer	1

Sample Description: Field Dup #2 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY Fld Dup #2

LLI Sample # WW 6031614
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.1 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: Field Dup #2 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY Fld Dup #2

LLI Sample # WW 6031614
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDSD2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101971AA	07/16/2010 16:52	Lauren C Temple	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101971AA	07/16/2010 16:52	Lauren C Temple	1

Sample Description: B-32 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-32

LLI Sample # WW 6031615
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS32

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	26	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.82 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	11	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-32 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-32

LLI Sample # WW 6031615
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS32

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101971AA	07/16/2010 17:16	Lauren C Temple	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101971AA	07/16/2010 17:16	Lauren C Temple	1

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

Sample Description: B-33 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-33

LLI Sample # WW 6031616
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS33

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-33 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-33

LLI Sample # WW 6031616
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS33

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101971AA	07/16/2010 17:40	Lauren C Temple	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101971AA	07/16/2010 17:40	Lauren C Temple	1

Sample Description: B-46 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6031617
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS46

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	29	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	7.7	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	2.7 J	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-46 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6031617
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS46

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101971AA	07/16/2010 18:03	Lauren C Temple	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101971AA	07/16/2010 18:03	Lauren C Temple	1

Sample Description: B-31 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-31

LLI Sample # WW 6031618
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 10:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS31

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.0 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-31 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-31

LLI Sample # WW 6031618
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 10:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS31

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T101971AA	07/16/2010 18:26	Lauren C Temple	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T101971AA	07/16/2010 18:26	Lauren C Temple	1

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

Sample Description: B-26 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6031619
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS26

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-26 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6031619
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS26

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 14:35	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101981AA	07/17/2010 14:35	Chelsea B Eastep	1

Sample Description: B-29 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-29

LLI Sample # WW 6031620
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS29

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	6.6	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	1.0 J	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-29 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-29

LLI Sample # WW 6031620
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS29

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 14:56	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101981AA	07/17/2010 14:56	Chelsea B Eastep	1

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

Sample Description: B-23 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6031621
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	1.3 J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	270	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.95 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	8.2	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	40	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

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Sample Description: B-23 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6031621
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 15:18	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101981AA	07/17/2010 15:18	Chelsea B Eastep	1

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

Sample Description: B-23MS Matrix Spike Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6031622
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	21	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	22	1.0	5.0	1
10903	Bromomethane	74-83-9	20	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	26	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	23	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	18	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	24	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	22	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	22	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	22	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	24	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	24	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	280	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	23	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	26	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	22	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	21	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	23	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	31	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	62	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

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Sample Description: B-23MS Matrix Spike Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6031622
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 15:39	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101981AA	07/17/2010 15:39	Chelsea B Eastep	1

Sample Description: B-23MSD Matrix Spike Dup Water
 BP Sanborn COC: 193388
 2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6031623
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS23

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	21	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	22	1.0	5.0	1
10903	Bromomethane	74-83-9	20	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	25	1.0	5.0	1
10903	Chlorobenzene	108-90-7	23	0.80	5.0	1
10903	Chloroethane	75-00-3	23	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	22	0.80	5.0	1
10903	Chloromethane	74-87-3	24	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	22	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	21	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	23	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	270	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	25	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	22	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	21	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	23	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	22	0.80	5.0	1
10903	Trichloroethene	79-01-6	31	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	21	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	58	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-23MSD Matrix Spike Dup Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6031623
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDS23

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 15:59	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101981AA	07/17/2010 15:59	Chelsea B Eastep	1

Sample Description: P-4 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY P-4

LLI Sample # WW 6031624
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 15:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDSP4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	6.9	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	3.4 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	460	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	7.7	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	5.4	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	760	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: P-4 Water
BP Sanborn COC: 193388
2040 Cory Drive - Sanborn, NY P-4

LLI Sample # WW 6031624
LLI Group # 1202955
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/13/2010 15:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2010 09:20

BP Corporation

Reported: 07/23/2010 14:50

501 WestLake Park Blvd

Discard: 08/23/2010

Houston TX 77079

CDSP4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 16:20	Chelsea B Eastep	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y101981AA	07/17/2010 16:41	Chelsea B Eastep	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y101981AA	07/17/2010 16:20	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y101981AA	07/17/2010 16:41	Chelsea B Eastep	10

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/23/10 at 02:50 PM

Group Number: 1202955

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: T101971AA Sample number(s): 6031614-6031618									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	100		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	100		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	99		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	83		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	105		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	89		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	108		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	105		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	97		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	103		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	105		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	106		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	109		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	113		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	107		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	106		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	107		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	98		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	102		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	104		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	102		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	105		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	108		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	107		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	104		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	105		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	106		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	112		59-120		
Batch number: Y101981AA Sample number(s): 6031619-6031624									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	102		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	94		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	102		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	103		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	92		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	113		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	107		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	109		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	88		56-129		

*- 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: 07/23/10 at 02:50 PM

Group Number: 1202955

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>
Chloroform	N.D.	0.80	5.0	ug/l	107		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	102		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	103		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	103		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	88		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	103		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	113		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	109		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	99		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	106		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	102		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	126*		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	107		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	94		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	103		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	108		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	101		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	101		59-120		
Batch number: Y102002AA	Sample number(s): 6031613								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	106	104	69-120	2	30
Bromobenzene	N.D.	1.0	5.0	ug/l	97	96	80-120	1	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	104	102	80-120	2	30
Bromoform	N.D.	1.0	5.0	ug/l	111	110	61-120	1	30
Bromomethane	N.D.	1.0	5.0	ug/l	88	87	44-120	1	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	114	111	75-123	3	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	109	107	80-120	2	30
Chloroethane	N.D.	1.0	5.0	ug/l	85	99	49-129	15	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	95	93	56-129	2	30
Chloroform	N.D.	0.80	5.0	ug/l	105	104	77-122	1	30
Chloromethane	N.D.	1.0	5.0	ug/l	110	107	60-129	3	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	107	107	80-120	0	30
Dibromomethane	N.D.	1.0	5.0	ug/l	103	103	80-120	1	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104	102	80-120	2	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101	100	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102	101	80-120	1	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	87	84	54-152	3	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	105	104	79-120	0	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	108	106	70-130	2	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	108	104	74-123	3	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101	102	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103	99	80-120	4	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	107	105	78-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	103	103	80-120	0	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	106	105	79-120	1	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	128*	123*	80-120	4	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	106	104	80-120	2	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: 07/23/10 at 02:50 PM

Group Number: 1202955

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>
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	109	107	71-120	2	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	98	98	80-121	1	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102	99	75-127	3	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	107	104	80-120	3	30
Trichloroethene	N.D.	1.0	5.0	ug/l	102	102	80-120	0	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	103	99	64-129	4	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	103	104	80-120	1	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	108	104	59-120	3	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: T101971AA	Sample number(s): 6031614-6031618 UNSPK: P031131								
Benzyl Chloride	90	79	62-120	13	30				
Bromobenzene	93	81*	82-115	14	30				
Bromodichloromethane	94	81	78-125	15	30				
Bromoform	95	79	60-121	19	30				
Bromomethane	80	70	38-149	14	30				
Carbon Tetrachloride	101	87	81-138	15	30				
Chlorobenzene	98	84*	87-124	15	30				
Chloroethane	96	84	51-145	12	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	99	83	81-134	17	30				
Chloromethane	93	79	67-154	16	30				
Dibromochloromethane	98	83	74-116	16	30				
Dibromomethane	97	82*	83-119	17	30				
1,2-Dichlorobenzene	94	83*	84-119	12	30				
1,3-Dichlorobenzene	95	84*	86-121	13	30				
1,4-Dichlorobenzene	95	83*	85-121	14	30				
Dichlorodifluoromethane	106	91	64-163	16	30				
1,1-Dichloroethane	102	89	84-129	14	30				
1,2-Dichloroethane	104	89	66-141	16	30				
1,1-Dichloroethene	106	91	85-142	14	30				
cis-1,2-Dichloroethene	146 (2)	176 (2)	85-125	4	30				
trans-1,2-Dichloroethene	103	89	87-126	11	30				
1,2-Dichloropropane	102	86	83-124	16	30				
cis-1,3-Dichloropropene	89	78	75-125	13	30				
trans-1,3-Dichloropropene	96	82	74-119	16	30				
Methylene Chloride	93	79	79-120	17	30				
1,1,1,2-Tetrachloroethane	99	82	82-119	18	30				
1,1,2,2-Tetrachloroethane	92	80	73-119	14	30				
Tetrachloroethene	103	89	80-128	15	30				
1,1,1-Trichloroethane	105	90	80-143	15	30				
1,1,2-Trichloroethane	100	86	77-124	15	30				
Trichloroethene	108	101	88-133	5	30				
Trichlorofluoromethane	109	91	73-152	18	30				
1,2,3-Trichloropropane	94	85	76-118	11	30				
Vinyl Chloride	116	106	66-133	6	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: 07/23/10 at 02:50 PM

Group Number: 1202955

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: Y101981AA Sample number(s): 6031619-6031624 UNSPK: 6031621									
Benzyl Chloride	103	103	62-120	1	30				
Bromobenzene	100	98	82-115	2	30				
Bromodichloromethane	111	109	78-125	2	30				
Bromoform	108	109	60-121	1	30				
Bromomethane	102	100	38-149	3	30				
Carbon Tetrachloride	130	127	81-138	2	30				
Chlorobenzene	115	113	87-124	2	30				
Chloroethane	117	114	51-145	3	30				
2-Chloroethyl Vinyl Ether	89	87	10-151	3	30				
Chloroform	116	112	81-134	4	30				
Chloromethane	119	118	67-154	0	30				
Dibromochloromethane	111	110	74-116	1	30				
Dibromomethane	108	105	83-119	3	30				
1,2-Dichlorobenzene	108	106	84-119	2	30				
1,3-Dichlorobenzene	106	104	86-121	1	30				
1,4-Dichlorobenzene	107	105	85-121	2	30				
Dichlorodifluoromethane	111	107	64-163	3	30				
1,1-Dichloroethane	114	110	84-129	3	30				
1,2-Dichloroethane	118	114	66-141	4	30				
1,1-Dichloroethene	127	121	85-142	5	30				
cis-1,2-Dichloroethene	62 (2)	-1 (2)	85-125	5	30				
trans-1,2-Dichloroethene	112	109	87-126	3	30				
1,2-Dichloropropane	113	111	83-124	2	30				
cis-1,3-Dichloropropene	103	104	75-125	1	30				
trans-1,3-Dichloropropene	109	109	74-119	0	30				
Methylene Chloride	129*	124*	79-120	4	30				
1,1,1,2-Tetrachloroethane	115	113	82-119	2	30				
1,1,2,2-Tetrachloroethane	112	108	73-119	4	30				
Tetrachloroethene	107	104	80-128	3	30				
1,1,1-Trichloroethane	117	115	80-143	2	30				
1,1,2-Trichloroethane	111	111	77-124	0	30				
Trichloroethene	116	116	88-133	0	30				
Trichlorofluoromethane	121	115	73-152	5	30				
1,2,3-Trichloropropane	104	104	76-118	0	30				
Vinyl Chloride	109	92	66-133	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: PPL + Xylene (total) by 8260

Batch number: T101971AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6031614	96	100	104	108
6031615	97	99	106	108
6031616	97	98	106	108

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/23/10 at 02:50 PM

Group Number: 1202955

Surrogate Quality Control

6031617	98	98	106	108
6031618	99	100	105	107
Blank	97	98	104	104
LCS	97	103	104	103
MS	98	102	106	107
MSD	96	101	103	105
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: Y101981AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6031619	103	103	102	96
6031620	105	104	103	96
6031621	107	102	103	94
6031622	103	103	106	104
6031623	102	104	106	105
6031624	103	101	104	98
Blank	106	103	103	97
LCS	102	100	105	104
MS	103	103	106	104
MSD	102	104	106	105
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: Y102002AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6031613	103	103	101	95
Blank	105	99	102	96
LCS	100	103	104	102
LCSD	100	99	103	100
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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



Case Narrative

Project Name: BP Sanborn - July Quarterly Sampling
LLI Group #: 1202955

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

10903: BTE 8260

Batch #: T101971AA (Sample number(s): 6031614-6031618 UNSPK: P31131)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: cis-1,2-Dichloroethene, Dibromomethane, Chlorobenzene, Bromobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 2-Chloroethyl Vinyl Ether

Batch #: Y101981AA (Sample number(s): 6031619-6031624 UNSPK: 6031621)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Methylene Chloride

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

Batch #: Y102002AA (Sample number(s): 6031613)

The recovery(ies) for the following analyte(s) in the LCS and/or LCSD exceeded the acceptance window indicating a positive bias: Methylene Chloride

Sample #s: 6031614, 6031615, 6031616, 6031617, 6031618

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

Sample #s: 6031613, 6031619, 6031620, 6031621, 6031622, 6031623, 6031624

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

Lab Name: <u>Lancaster Labor</u>				BP/ARC Facility Address: <u>2040 Gony Dr.</u>				Consultant/Contractor: <u>Parsons</u>							
Lab Address: <u>2425 New Holland Pike Lancaster, Pa 17601</u>				City, State, ZIP Code: <u>Sanborn, NY 14132</u>				Consultant/Contractor Project No:							
Lab PM: <u>Jessica Oknefski</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 L. Riviére Dr. Suite 350, Buffalo, NY 14202</u>							
Lab Phone: <u>(717) 656-2300</u>				California Global ID No.:				Consultant/Contractor PM: <u>George Hermance</u>							
Lab Shipping Acct:				Enfos Proposal No: <u>000115-0038</u>				Phone: <u>(716) 407-4990</u>							
Lab Bottle Order No:				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u>							
Other Info:				Stage: <u>50</u> Activity: <u>22</u>				Invoice To: <u>BP/ARC</u> Contractor _____							
BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level			
EBM Phone: <u>(216) 271-8038</u>												Standard _____			
EBM Email:												Full Data Package _____			
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol		Comments	
	B-45	7/13/10	1240				3	X					X		
	Field Dup #2	7/13/10					3	X					X		
	B-32	7/13/10	1230				3						X		
	B-33	7/13/10	1145				3						X		
	B-46	7/13/10	1110				3						X		
	B-31	7/13/10	1010				3						X		
	B-26	7/13/10	0910				3						X		
	B-29	7/13/10	1350				3						X		
Sampler's Name: <u>Richard C Becker</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time
Sampler's Company: <u>Dan Enterprises</u>				<u>Richard C Becker</u>				<u>7/13/10</u>	<u>1615</u>						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/13/10</u>										<u>Mary Merdash LLC</u>				<u>7/14/10</u>	<u>920</u>
Shipment Tracking No: <u>868873708304</u>															
Special Instructions:															

THIS LINE - LAB USE ONLY: Custody Seals in Place Yes / No Temp Blank Yes / No Cooler Temp on Receipt: 43 °F Trip Blank Yes / No MS/MSD Sample Submitted: Yes / No

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 7/14/10

Custody Seal Present *: YES NO

Time of Receipt: 920

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

Source Code: 50-1

Package: Chilled Not Chilled

Unpacker Emp. No.: 2316

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	9443	4.50C	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>Harry Markel</u>	<u>7/14/10</u>	<u>1330</u>	Unpacking <u>to storage</u>
<u>Channing Beland</u>	<u>7/14/10</u>	<u>1411</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 26, 2010

Project: BP Sanborn - July Quarterly Sampling

Submittal Date: 07/15/2010

Group Number: 1203195

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-43 Water	6032683
B-44 Water	6032684
B-42 Water	6032685
B-42MS Matrix Spike Water	6032686
B-42MSD Matrix Spike Dup Water	6032687
B-17 Water	6032688
PW-1 Water	6032689
B-48 Water	6032690
B-49 Water	6032691
B-13 Water	6032692
B-19 Water	6032693
Field Dup #3 Water	6032694

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

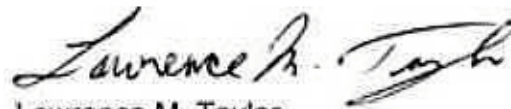
ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist

Sample Description: B-43 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6032683
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	9.9	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	2.8 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	3.0 J	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-43 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6032683
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR43

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 14:21	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 14:21	Emily R Styer	1

Sample Description: B-44 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-44

LLI Sample # WW 6032684
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	9.3	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	10	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	5.6	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	6.9	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-44 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-44

LLI Sample # WW 6032684
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR44

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 14:45	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 14:45	Emily R Styer	1

Sample Description: B-42 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6032685
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	9.1	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.0 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	2.6 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-42 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6032685
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR42

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 15:08	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 15:08	Emily R Styer	1

Sample Description: B-42MS Matrix Spike Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6032686
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	19	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	16	1.0	5.0	1
10903	Bromomethane	74-83-9	14	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	20	1.0	5.0	1
10903	Chlorobenzene	108-90-7	20	0.80	5.0	1
10903	Chloroethane	75-00-3	15	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	22	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	19	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	19	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	19	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	19	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	20	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	21	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	22	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	29	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	22	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	21	1.0	5.0	1
10903	Methylene Chloride	75-09-2	19	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	18	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	19	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	23	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	20	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	22	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-42MS Matrix Spike Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6032686
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR42

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 15:37	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 15:37	Emily R Styer	1

Sample Description: B-42MSD Matrix Spike Dup Water
 BP Sanborn COC: 193384
 2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6032687
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	19	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	16	1.0	5.0	1
10903	Bromomethane	74-83-9	14	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	19	1.0	5.0	1
10903	Chlorobenzene	108-90-7	20	0.80	5.0	1
10903	Chloroethane	75-00-3	19	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	16	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	20	0.80	5.0	1
10903	Chloromethane	74-87-3	21	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	18	1.0	5.0	1
10903	Dibromomethane	74-95-3	18	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	18	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	19	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	19	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	19	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	21	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	20	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	21	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	29	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	20	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	21	1.0	5.0	1
10903	Methylene Chloride	75-09-2	18	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	18	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	20	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	19	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	20	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	23	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	20	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	22	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-42MSD Matrix Spike Dup Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6032687
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 11:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR42

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 16:01	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 16:01	Emily R Styer	1

Sample Description: B-17 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-17

LLI Sample # WW 6032688
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 09:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR17

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	10	50	10
10903	Bromobenzene	108-86-1	N.D.	10	50	10
10903	Bromodichloromethane	75-27-4	N.D.	10	50	10
10903	Bromoform	75-25-2	N.D.	10	50	10
10903	Bromomethane	74-83-9	N.D.	10	50	10
10903	Carbon Tetrachloride	56-23-5	N.D.	10	50	10
10903	Chlorobenzene	108-90-7	N.D.	8.0	50	10
10903	Chloroethane	75-00-3	N.D.	10	50	10
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	20	100	10
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	8.0	50	10
10903	Chloromethane	74-87-3	N.D.	10	50	10
10903	Dibromochloromethane	124-48-1	N.D.	10	50	10
10903	Dibromomethane	74-95-3	N.D.	10	50	10
10903	1,2-Dichlorobenzene	95-50-1	N.D.	10	50	10
10903	1,3-Dichlorobenzene	541-73-1	N.D.	10	50	10
10903	1,4-Dichlorobenzene	106-46-7	N.D.	10	50	10
10903	Dichlorodifluoromethane	75-71-8	N.D.	20	50	10
10903	1,1-Dichloroethane	75-34-3	110	10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.	10	50	10
10903	1,1-Dichloroethene	75-35-4	46 J	8.0	50	10
10903	cis-1,2-Dichloroethene	156-59-2	14,000	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	53	8.0	50	10
10903	1,2-Dichloropropane	78-87-5	N.D.	10	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	10	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	10	50	10
10903	Methylene Chloride	75-09-2	N.D.	20	50	10
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10	50	10
10903	Tetrachloroethene	127-18-4	N.D.	8.0	50	10
10903	1,1,1-Trichloroethane	71-55-6	14 J	8.0	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.	8.0	50	10
10903	Trichloroethene	79-01-6	4,300	100	500	100
10903	Trichlorofluoromethane	75-69-4	N.D.	20	50	10
10903	1,2,3-Trichloropropane	96-18-4	N.D.	10	50	10
10903	Vinyl Chloride	75-01-4	1,700	10	50	10

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-17 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-17

LLI Sample # WW 6032688
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 09:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR17

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 16:24	Emily R Styer	10
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 16:48	Emily R Styer	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 16:24	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W101972AA	07/16/2010 16:48	Emily R Styer	100

Sample Description: PW-1 Water
 BP Sanborn COC: 193384
 2040 Cory Drive - Sanborn, NY PW-1

LLI Sample # WW 6032689
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 08:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDRP1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	3.0 J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	1.2 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	180	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	2.0 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	2.1 J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	470	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	6.7	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: PW-1 Water
 BP Sanborn COC: 193384
 2040 Cory Drive - Sanborn, NY PW-1

LLI Sample # WW 6032689
 LLI Group # 1203195
 Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 08:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDRP1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 17:11	Emily R Styer	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 17:35	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 17:11	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W101972AA	07/16/2010 17:35	Emily R Styer	10

Sample Description: B-48 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6032690
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR48

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	1.7 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-48 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6032690
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR48

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 17:58	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 17:58	Emily R Styer	1

Sample Description: B-49 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-49

LLI Sample # WW 6032691
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 15:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR49

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-49 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-49

LLI Sample # WW 6032691
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 15:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR49

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 18:22	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 18:22	Emily R Styer	1

Sample Description: B-13 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-13

LLI Sample # WW 6032692
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR13

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	3.3 J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	2.0 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	430	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	8.0	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	140	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	24	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-13 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-13

LLI Sample # WW 6032692
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR13

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 18:45	Emily R Styer	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 23:50	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 18:45	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W101972AA	07/16/2010 23:50	Emily R Styer	10

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

Sample Description: B-19 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-19

LLI Sample # WW 6032693
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR19

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	2.8 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-19 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY B-19

LLI Sample # WW 6032693
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDR19

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 19:09	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 19:09	Emily R Styer	1

Sample Description: Field Dup #3 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY Fld Dup #3

LLI Sample # WW 6032694
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDRD3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	1.6 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: Field Dup #3 Water
BP Sanborn COC: 193384
2040 Cory Drive - Sanborn, NY Fld Dup #3

LLI Sample # WW 6032694
LLI Group # 1203195
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/14/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/15/2010 09:10

BP Corporation

Reported: 07/26/2010 12:45

501 WestLake Park Blvd

Discard: 08/26/2010

Houston TX 77079

CDRD3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W101972AA	07/16/2010 19:32	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W101972AA	07/16/2010 19:32	Emily R Styer	1

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/26/10 at 12:45 PM

Group Number: 1203195

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: W101972AA	Sample number(s): 6032683-6032694								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	103		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	100		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	84		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	65		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	90		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	85		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	89		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	99		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	95		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	94		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	96		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	80		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	103		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	102		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	99		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	96		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	103		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	101		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	108		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	99		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	92		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	107		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	89		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	98		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	105		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	97		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	85		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	100		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	95		59-120		

Sample Matrix Quality Control

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/26/10 at 12:45 PM

Group Number: 1203195

<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: W101972AA	Sample number(s): 6032683-6032694 UNSPK: 6032685								
Benzyl Chloride	97	95	62-120	2	30				
Bromobenzene	94	93	82-115	2	30				
Bromodichloromethane	102	98	78-125	4	30				
Bromoform	82	80	60-121	3	30				
Bromomethane	68	71	38-149	4	30				
Carbon Tetrachloride	101	95	81-138	6	30				
Chlorobenzene	102	98	87-124	4	30				
Chloroethane	74	96	51-145	25	30				
2-Chloroethyl Vinyl Ether	85	81	10-151	5	30				
Chloroform	104	99	81-134	5	30				
Chloromethane	108	107	67-154	1	30				
Dibromochloromethane	94	90	74-116	4	30				
Dibromomethane	95	91	83-119	4	30				
1,2-Dichlorobenzene	95	92	84-119	3	30				
1,3-Dichlorobenzene	95	94	86-121	1	30				
1,4-Dichlorobenzene	96	94	85-121	2	30				
Dichlorodifluoromethane	98	95	64-163	3	30				
1,1-Dichloroethane	105	103	84-129	2	30				
1,2-Dichloroethane	105	100	66-141	4	30				
1,1-Dichloroethene	108	103	85-142	5	30				
cis-1,2-Dichloroethene	101	99	85-125	1	30				
trans-1,2-Dichloroethene	104	101	87-126	3	30				
1,2-Dichloropropane	108	102	83-124	6	30				
cis-1,3-Dichloropropene	103	98	75-125	4	30				
trans-1,3-Dichloropropene	107	104	74-119	3	30				
Methylene Chloride	97	92	79-120	5	30				
1,1,1,2-Tetrachloroethane	92	89	82-119	4	30				
1,1,2,2-Tetrachloroethane	100	98	73-119	2	30				
Tetrachloroethene	97	95	80-128	2	30				
1,1,1-Trichloroethane	108	101	80-143	7	30				
1,1,2-Trichloroethane	103	100	77-124	3	30				
Trichloroethene	104	100	88-133	4	30				
Trichlorofluoromethane	98	98	73-152	0	30				
1,2,3-Trichloropropane	96	92	76-118	4	30				
Vinyl Chloride	111	109	66-133	2	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: W101972AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6032683	97	100	104	97
6032684	97	102	104	97
6032685	97	101	104	96
6032686	95	99	107	106
6032687	95	96	107	105
6032688	97	99	105	98
6032689	98	100	106	97
6032690	99	102	104	95
6032691	98	101	103	96

*- 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: 07/26/10 at 12:45 PM

Group Number: 1203195

Surrogate Quality Control

6032692	99	100	104	94
6032693	98	101	104	96
6032694	99	103	104	95
Blank	95	98	104	97
LCS	95	98	106	105
MS	95	99	107	106
MSD	95	96	107	105
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Project Name: BP Sanborn - July Quarterly Sampling
LLI Group #: 1203195

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:**10903: 8260 Std. Water Master**

Sample #s: 6032683, 6032684, 6032685, 6032686, 6032687, 6032689, 6032690, 6032691, 6032692, 6032693, 6032694

The pH of the GC/MS volatile fraction was pH = 5 at the time of analysis.

Sample #s: 6032688

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

Lab Name: <u>Lancaster Lab</u>				BP/ARC Facility Address: <u>2040 Cory Dr.</u>				Consultant/Contractor: <u>Parsons</u>																
Lab Address: <u>2425 New Holland Pike, Lancaster, Pa 17601</u>				City, State, ZIP Code: <u>Saraborn NY 14132</u>				Consultant/Contractor Project No: _____																
Lab PM: <u>Jessica OKnefski</u>				Lead Regulatory Agency: <u>NYS DEC</u>				Address: <u>40 La Riviere Dr. Suite 350, Buffalo, NY 14202</u>																
Lab Phone: <u>(717) 656-2300</u>				California Global ID No.: _____				Consultant/Contractor PM: <u>George Hermance</u>																
Lab Shipping Acct: _____				Enfos Proposal No: <u>0001W-0038</u>				Phone: <u>(716) 407-4950</u>																
Lab Bottle Order No: _____				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u>																
Other Info: _____				Stage: <u>50</u> Activity: <u>22</u>				Invoice To: <u>BP/ARC</u> Contractor _____																
BP/ARC EBM: <u>B.11 Barber</u>				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level												
EBM Phone: <u>(416) 271-8038</u>												Standard _____												
EBM Email: _____												Full Data Package _____												
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											Comments	
	B-43	7/14/10	1200				3	X						X									quarterly sampling	
	B-44	7/14/10	1145				3	X						X										
	B-42	7/14/10	1130				3	X						X										
	B-42 MS	7/14/10	1130				3	X						X										
	B-42 MSD	7/14/10	1130				3	X						X										
	B-17	7/14/10	0915				3	X						X										
	PW-1	7/14/10	0840				3	X						X										
	B-48	7/14/10	1430																					
	B-49	7/14/10	1540																					
Sampler's Name: <u>Richard C Becken</u>				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time						
Sampler's Company: <u>Orin Enterprises, Inc.</u>				<u>Richard C Becken Orin</u>				7/14/10		1645														
Shipment Method: <u>FE2 EX</u> Ship Date: <u>7/14/10</u>																								
Shipment Tracking No: <u>870059201057</u>												<u>Hyman LLC</u>				<u>7/19/10</u>		<u>916</u>						
Special Instructions:																								

Lab Work Order Number:

MS/MSD Sample Submitted: ☒ Yes ☐ No

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 7/15/10

Custody Seal Present * : YES NO

Time of Receipt: 910

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

Source Code: 501

Package: Chilled Not Chilled

Unpacker Emp. No.: 2316

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9493	4.70C	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

- Received 3 x #40 vials for Field Dup #3 no time on 7/14/10 notation Col.
Analyze per Rick B on 7/16/10

Sample Administration Internal Chain of Custody

Name	Date	Time	Reason for Transfer
<u>Mary D. In</u>	<u>7/15/10</u>	<u>1315</u>	Unpacking <u>to storage</u>
<u>Sammy Delal</u>	<u>7/15/10</u>	<u>1347</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP 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
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 $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample 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 meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 27, 2010

Project: BP Sanborn

Submittal Date: 07/16/2010

Group Number: 1203406

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-21 Water
B-22 Water
B-28 Water
B-38 Water
B-8 Water
B-8MS Matrix Spike Water
B-8MSD Matrix Spike Dup Water
B-39 Water
B-18 WaterLancaster Labs (LLI) #6033914
6033915
6033916
6033917
6033918
6033919
6033920
6033921
6033922

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

ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: B-21 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-21

LLI Sample # WW 6033914
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS21

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-21 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-21

LLI Sample # WW 6033914
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102001AA	07/19/2010 14:53	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102001AA	07/19/2010 14:53	Chelsea B Eastep	1

Sample Description: B-22 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-22

LLI Sample # WW 6033915
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	38	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	7.2	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-22 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-22

LLI Sample # WW 6033915
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS22

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102001AA	07/19/2010 15:16	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102001AA	07/19/2010 15:16	Chelsea B Eastep	1

Sample Description: B-28 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-28

LLI Sample # WW 6033916
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS28

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-28 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-28

LLI Sample # WW 6033916
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102001AA	07/19/2010 15:39	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102001AA	07/19/2010 15:39	Chelsea B Eastep	1

Sample Description: B-38 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-38

LLI Sample # WW 6033917
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 09:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	51	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.1 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	30	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-38 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-38

LLI Sample # WW 6033917
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 09:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS39

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 23:51	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102023AA	07/21/2010 23:51	Chelsea B Eastep	1

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



Analysis Report

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

Page 1 of 2

Sample Description: B-8 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6033918
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	100	500	100
10903	Bromobenzene	108-86-1	N.D.	100	500	100
10903	Bromodichloromethane	75-27-4	N.D.	100	500	100
10903	Bromoform	75-25-2	N.D.	100	500	100
10903	Bromomethane	74-83-9	N.D.	100	500	100
10903	Carbon Tetrachloride	56-23-5	N.D.	100	500	100
10903	Chlorobenzene	108-90-7	N.D.	80	500	100
10903	Chloroethane	75-00-3	N.D.	100	500	100
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	200	1,000	100
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	80	500	100
10903	Chloromethane	74-87-3	N.D.	100	500	100
10903	Dibromochloromethane	124-48-1	N.D.	100	500	100
10903	Dibromomethane	74-95-3	N.D.	100	500	100
10903	1,2-Dichlorobenzene	95-50-1	N.D.	100	500	100
10903	1,3-Dichlorobenzene	541-73-1	N.D.	100	500	100
10903	1,4-Dichlorobenzene	106-46-7	N.D.	100	500	100
10903	Dichlorodifluoromethane	75-71-8	N.D.	200	500	100
10903	1,1-Dichloroethane	75-34-3	N.D.	100	500	100
10903	1,2-Dichloroethane	107-06-2	N.D.	100	500	100
10903	1,1-Dichloroethene	75-35-4	N.D.	80	500	100
10903	cis-1,2-Dichloroethene	156-59-2	5,600	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	80	500	100
10903	1,2-Dichloropropane	78-87-5	N.D.	100	500	100
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	100	500	100
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	100	500	100
10903	Methylene Chloride	75-09-2	N.D.	200	500	100
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	100	500	100
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	100	500	100
10903	Tetrachloroethene	127-18-4	N.D.	80	500	100
10903	1,1,1-Trichloroethane	71-55-6	N.D.	80	500	100
10903	1,1,2-Trichloroethane	79-00-5	N.D.	80	500	100
10903	Trichloroethene	79-01-6	94,000	10,000	50,000	10000
10903	Trichlorofluoromethane	75-69-4	N.D.	200	500	100
10903	1,2,3-Trichloropropane	96-18-4	N.D.	100	500	100
10903	Vinyl Chloride	75-01-4	410 J	100	500	100

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

Page 2 of 2

Sample Description: B-8 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6033918
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 21:23	Chelsea B Eastep	10000
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 22:32	Chelsea B Eastep	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102023AA	07/21/2010 21:23	Chelsea B Eastep	10000
01163	GC/MS VOA Water Prep	SW-846 5030B	2	N102023AA	07/21/2010 22:32	Chelsea B Eastep	100

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



Analysis Report

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Page 1 of 2

Sample Description: B-8MS Matrix Spike Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6033919
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	1,400	100	500	100
10903	Bromobenzene	108-86-1	1,900	100	500	100
10903	Bromodichloromethane	75-27-4	1,800	100	500	100
10903	Bromoform	75-25-2	1,500	100	500	100
10903	Bromomethane	74-83-9	2,300	100	500	100
10903	Carbon Tetrachloride	56-23-5	1,800	100	500	100
10903	Chlorobenzene	108-90-7	2,000	80	500	100
10903	Chloroethane	75-00-3	2,500	100	500	100
10903	2-Chloroethyl Vinyl Ether	110-75-8	1,500	200	1,000	100
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	1,900	80	500	100
10903	Chloromethane	74-87-3	2,200	100	500	100
10903	Dibromochloromethane	124-48-1	1,700	100	500	100
10903	Dibromomethane	74-95-3	1,900	100	500	100
10903	1,2-Dichlorobenzene	95-50-1	1,900	100	500	100
10903	1,3-Dichlorobenzene	541-73-1	1,900	100	500	100
10903	1,4-Dichlorobenzene	106-46-7	1,900	100	500	100
10903	Dichlorodifluoromethane	75-71-8	1,800	200	500	100
10903	1,1-Dichloroethane	75-34-3	1,800	100	500	100
10903	1,2-Dichloroethane	107-06-2	1,800	100	500	100
10903	1,1-Dichloroethene	75-35-4	1,800	80	500	100
10903	cis-1,2-Dichloroethene	156-59-2	8,100	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	1,900	80	500	100
10903	1,2-Dichloropropane	78-87-5	1,900	100	500	100
10903	cis-1,3-Dichloropropene	10061-01-5	1,800	100	500	100
10903	trans-1,3-Dichloropropene	10061-02-6	1,700	100	500	100
10903	Methylene Chloride	75-09-2	1,800	200	500	100
10903	1,1,1,2-Tetrachloroethane	630-20-6	1,800	100	500	100
10903	1,1,2,2-Tetrachloroethane	79-34-5	1,900	100	500	100
10903	Tetrachloroethene	127-18-4	2,100	80	500	100
10903	1,1,1-Trichloroethane	71-55-6	1,900	80	500	100
10903	1,1,2-Trichloroethane	79-00-5	1,900	80	500	100
10903	Trichloroethene	79-01-6	98,000	100	500	100
10903	Trichlorofluoromethane	75-69-4	2,400	200	500	100
10903	1,2,3-Trichloropropane	96-18-4	1,900	100	500	100
10903	Vinyl Chloride	75-01-4	2,800	100	500	100

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

General Sample Comments

State of New York Certification No. 10670

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

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

Sample Description: B-8MS Matrix Spike Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6033919
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 22:56	Chelsea B Eastep	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102023AA	07/21/2010 22:56	Chelsea B Eastep	100

Sample Description: B-8MSD Matrix Spike Dup Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6033920
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS08

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	1,400	100	500	100
10903	Bromobenzene	108-86-1	1,900	100	500	100
10903	Bromodichloromethane	75-27-4	1,800	100	500	100
10903	Bromoform	75-25-2	1,500	100	500	100
10903	Bromomethane	74-83-9	2,300	100	500	100
10903	Carbon Tetrachloride	56-23-5	1,900	100	500	100
10903	Chlorobenzene	108-90-7	2,000	80	500	100
10903	Chloroethane	75-00-3	2,300	100	500	100
10903	2-Chloroethyl Vinyl Ether	110-75-8	1,500	200	1,000	100
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	1,900	80	500	100
10903	Chloromethane	74-87-3	2,400	100	500	100
10903	Dibromochloromethane	124-48-1	1,800	100	500	100
10903	Dibromomethane	74-95-3	1,900	100	500	100
10903	1,2-Dichlorobenzene	95-50-1	1,900	100	500	100
10903	1,3-Dichlorobenzene	541-73-1	1,900	100	500	100
10903	1,4-Dichlorobenzene	106-46-7	2,000	100	500	100
10903	Dichlorodifluoromethane	75-71-8	1,900	200	500	100
10903	1,1-Dichloroethane	75-34-3	1,800	100	500	100
10903	1,2-Dichloroethane	107-06-2	1,800	100	500	100
10903	1,1-Dichloroethene	75-35-4	1,800	80	500	100
10903	cis-1,2-Dichloroethene	156-59-2	8,400	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	1,900	80	500	100
10903	1,2-Dichloropropane	78-87-5	1,900	100	500	100
10903	cis-1,3-Dichloropropene	10061-01-5	1,800	100	500	100
10903	trans-1,3-Dichloropropene	10061-02-6	1,700	100	500	100
10903	Methylene Chloride	75-09-2	1,900	200	500	100
10903	1,1,1,2-Tetrachloroethane	630-20-6	1,800	100	500	100
10903	1,1,2,2-Tetrachloroethane	79-34-5	1,800	100	500	100
10903	Tetrachloroethene	127-18-4	2,100	80	500	100
10903	1,1,1-Trichloroethane	71-55-6	1,900	80	500	100
10903	1,1,2-Trichloroethane	79-00-5	1,900	80	500	100
10903	Trichloroethene	79-01-6	100,000	100	500	100
10903	Trichlorofluoromethane	75-69-4	2,500	200	500	100
10903	1,2,3-Trichloropropane	96-18-4	1,700	100	500	100
10903	Vinyl Chloride	75-01-4	3,000	100	500	100

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-8MSD Matrix Spike Dup Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6033920
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS08

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 23:28	Chelsea B Eastep	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102023AA	07/21/2010 23:28	Chelsea B Eastep	100

Sample Description: B-39 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-39

LLI Sample # WW 6033921
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CD-39

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	1.9 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	4.4 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-39 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-39

LLI Sample # WW 6033921
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 14:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CD-39

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 19:51	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102023AA	07/21/2010 19:51	Chelsea B Eastep	1

Sample Description: B-18 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-18

LLI Sample # WW 6033922
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	6.5	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	5.4	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-18 Water
BP Sanborn COC: 193385
2040 Cory Drive - Sanborn, NY B-18

LLI Sample # WW 6033922
LLI Group # 1203406
Account # 12495

Project Name: BP Sanborn

Collected: 07/15/2010 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/16/2010 09:00

BP Corporation

Reported: 07/27/2010 17:47

501 WestLake Park Blvd

Discard: 08/27/2010

Houston TX 77079

CDS18

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102023AA	07/21/2010 20:14	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102023AA	07/21/2010 20:14	Chelsea B Eastep	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/27/10 at 05:47 PM

Group Number: 1203406

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: N102001AA Sample number(s): 6033914-6033916									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	84		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	97		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	88		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	117		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	97		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	132*		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	88		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	103		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	121		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	97		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	92		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	103		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	102		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	101		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	102		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	97		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	104		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	101		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	97		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	102		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	113		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	102		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	128*		59-120		
Batch number: N102023AA Sample number(s): 6033917-6033922									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	76		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	91		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	80		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	122*		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	90		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	102		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	123		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	85		56-129		

*- 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: 07/27/10 at 05:47 PM

Group Number: 1203406

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>
Chloroform	N.D.	0.80	5.0	ug/l	97		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	113		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	92		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	98		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	88		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	95		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	95		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	87		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	97		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	94		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	97		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	90		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	95		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	102		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	95		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	102		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	100		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	109		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	98		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	120		59-120		

Sample Matrix Quality Control

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

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

<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: N102001AA Sample number(s): 6033914-6033916 UNSPK: P034360									
Benzyl Chloride	78	74	62-120	6	30				
Bromobenzene	107	100	82-115	7	30				
Bromodichloromethane	103	94	78-125	10	30				
Bromoform	89	84	60-121	6	30				
Bromomethane	132	131	38-149	1	30				
Carbon Tetrachloride	109	103	81-138	6	30				
Chlorobenzene	112	106	87-124	6	30				
Chloroethane	136	135	51-145	0	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	116	108	81-134	7	30				
Chloromethane	124	123	67-154	1	30				
Dibromochloromethane	102	95	74-116	7	30				
Dibromomethane	107	100	83-119	7	30				
1,2-Dichlorobenzene	107	102	84-119	5	30				
1,3-Dichlorobenzene	110	101	86-121	8	30				
1,4-Dichlorobenzene	108	102	85-121	5	30				
Dichlorodifluoromethane	106	106	64-163	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: 07/27/10 at 05:47 PM

Group Number: 1203406

Sample Matrix Quality Control

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

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
1,1-Dichloroethane	111	104	84-129	7	30				
1,2-Dichloroethane	108	99	66-141	8	30				
1,1-Dichloroethene	115	108	85-142	6	30				
cis-1,2-Dichloroethene	96	87	85-125	9	30				
trans-1,2-Dichloroethene	114	108	87-126	6	30				
1,2-Dichloropropane	109	103	83-124	6	30				
cis-1,3-Dichloropropene	102	95	75-125	7	30				
trans-1,3-Dichloropropene	99	95	74-119	4	30				
Methylene Chloride	104	99	79-120	5	30				
1,1,1,2-Tetrachloroethane	103	96	82-119	7	30				
1,1,2,2-Tetrachloroethane	106	99	73-119	6	30				
Tetrachloroethene	119	113	80-128	4	30				
1,1,1-Trichloroethane	109	101	80-143	7	30				
1,1,2-Trichloroethane	109	103	77-124	6	30				
Trichloroethene	-275	-290	88-133	11	30				
	(2)	(2)							
Trichlorofluoromethane	128	133	73-152	4	30				
1,2,3-Trichloropropane	103	97	76-118	6	30				
Vinyl Chloride	138*	135*	66-133	2	30				

Batch number: N102023AA Sample number(s): 6033917-6033922 UNSPK: 6033918

Benzyl Chloride	71	68	62-120	4	30
Bromobenzene	95	96	82-115	0	30
Bromodichloromethane	89	90	78-125	0	30
Bromoform	77	76	60-121	2	30
Bromomethane	116	115	38-149	1	30
Carbon Tetrachloride	92	93	81-138	2	30
Chlorobenzene	99	101	87-124	2	30
Chloroethane	127	117	51-145	8	30
2-Chloroethyl Vinyl Ether	77	74	10-151	4	30
Chloroform	94	95	81-134	2	30
Chloromethane	108	118	67-154	8	30
Dibromochloromethane	87	88	74-116	1	30
Dibromomethane	93	94	83-119	1	30
1,2-Dichlorobenzene	96	97	84-119	2	30
1,3-Dichlorobenzene	97	95	86-121	2	30
1,4-Dichlorobenzene	97	98	85-121	2	30
Dichlorodifluoromethane	92	96	64-163	5	30
1,1-Dichloroethane	92	92	84-129	1	30
1,2-Dichloroethane	89	90	66-141	1	30
1,1-Dichloroethene	89	91	85-142	2	30
cis-1,2-Dichloroethene	125	141*	85-125	4	30
trans-1,2-Dichloroethene	97	97	87-126	1	30
1,2-Dichloropropane	96	97	83-124	1	30
cis-1,3-Dichloropropene	88	88	75-125	1	30
trans-1,3-Dichloropropene	86	86	74-119	1	30
Methylene Chloride	89	95	79-120	7	30
1,1,1,2-Tetrachloroethane	91	92	82-119	2	30
1,1,2,2-Tetrachloroethane	95	90	73-119	6	30
Tetrachloroethene	105	105	80-128	0	30
1,1,1-Trichloroethane	94	96	80-143	2	30
1,1,2-Trichloroethane	97	97	77-124	0	30
Trichloroethene	792 (2)	1076	88-133	6	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: 07/27/10 at 05:47 PM

Group Number: 1203406

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>
		(2)							
Trichlorofluoromethane	119	125	73-152	5	30				
1,2,3-Trichloropropane	94	84	76-118	11	30				
Vinyl Chloride	121	132	66-133	7	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260
Batch number: N102001AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6033914	99	98	98	88
6033915	101	99	99	87
6033916	100	101	99	88
Blank	99	98	99	88
LCS	100	100	102	96
MS	100	103	102	96
MSD	100	102	103	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: N102023AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6033917	100	100	99	85
6033918	101	101	99	87
6033919	98	104	102	96
6033920	99	102	102	95
6033921	101	100	98	87
6033922	101	98	98	87
Blank	99	97	97	85
LCS	99	104	102	96
MS	98	104	102	96
MSD	99	102	102	95
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 #: 1203406

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:**10903: BTE 8260**

Batch #: N102001AA (Sample number(s): 6033914-6033916 UNSPK: P34360)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Vinyl Chloride, Chloroethane

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

Batch #: N102023AA (Sample number(s): 6033917-6033922 UNSPK: 6033918)

The recovery(ies) for the following analyte(s) in the LCS exceeded the acceptance window indicating a positive bias: Bromomethane

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

Sample #s: 6033914, 6033915, 6033917, 6033919, 6033920, 6033921, 6033922

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

Sample #s: 6033916, 6033918

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

Lab Name: <u>Lancaster Lab</u>				BP/ARC Facility Address: <u>2040 Cory Dr.</u>				Consultant/Contractor: <u>Parsons</u>							
Lab Address: <u>2405 New Holland Pike Lancaster, Pa 17601</u>				City, State, ZIP Code: <u>Sanborn, NY 14132</u>				Consultant/Contractor Project No: _____							
Lab PM: <u>Jessica Oknefski</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 LaRivers Dr. Suite 350 Buffalo, NY 14202</u>							
Lab Phone: <u>(717) 656-2300</u>				California Global ID No.: _____				Consultant/Contractor PM: <u>George Helmer</u>							
Lab Shipping Acct: _____				Enfos Proposal No: <u>0001W-0058</u>				Phone: <u>716 407-4990</u>							
Lab Bottle Order No: _____				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u>							
Other Info: _____				Stage: <u>50</u> Activity: <u>22</u>				Invoice To: <u>BP/ARC</u> Contractor _____							
BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level			
EBM Phone: <u>(216) 271-8038</u>												Standard _____			
EBM Email: _____												Full Data Package _____			
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260	Comments Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
	B-21	7/15/10	1140				3	X					X		
	B-22	7/15/10	1100				3	X					X		
	B-28	7/15/10	1015				3	X					X		
	B-38	7/15/10	0915				3	X					X		
	B-8	7/15/10	1225				3	X					X		
	B-8 MS	7/15/10	1225				3	X					X		
	B-8 MSD	7/15/10	1225				3	X					X		
	B-39	7/15/10	1450				3	X					X		
	B-18	7/15/10	1350				3	X					X		
	PW-3	7/15/10	1250				3	X					X	DIDN'T RECEIVE 7-19-10	
Sampler's Name: <u>Richard C Becker</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time
Sampler's Company: <u>Orin Enterprises, Inc.</u>				<u>Richard C Becker Orin</u>				7/15/10	1630						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/15/10</u>										<u>Mary Beth Koed</u>				7/16/10	0900
Shipment Tracking No: <u>868873682285</u>															
Special Instructions:															
THIS LINE - LAB USE ONLY: Custody Seals In Place <input checked="" type="checkbox"/> Yes / No Temp Blank: <input checked="" type="checkbox"/> Yes / No Cooler Temp on Receipt: <u>4.5</u> °C Trip Blank: <input checked="" type="checkbox"/> Yes / No MS/MSD Sample Submitted: <input checked="" type="checkbox"/> Yes / No															

Environmental Sample Administration Receipt Documentation Log

Client/Project: BP, Sanborn (NY) Shipping Container Sealed: YES NO
 Date of Receipt: 7/16/10 Custody Seal Present *: YES NO
 Time of Receipt: 0900
 Source Code: 50-1 * Custody seal was intact unless otherwise noted in the discrepancy section
 Unpacker Emp. No.: 11007 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	4422	4.5°C	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Did not receive PW-3 @ 1250

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Mary Beth Reed	7/16/10	1349	Unpacking to storage
Charmy Dela	7/16/10	1412	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP 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
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 $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample 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 meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 25, 2010

Project: BP Sanborn

Submittal Date: 07/20/2010

Group Number: 1203776

PO Number: 0001W-0038

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-15 Water
Field Dup #4 Water
B-67 Water
B-66 Water
B-40 Water
B-41 Water
B-41 Matrix Spike Water
B-41 Matrix Spike Dup Water
B-59 Water
B-60 Water
B-61 WaterLancaster Labs (LLI) #6036144
6036145
6036146
6036147
6036148
6036149
6036150
6036151
6036152
6036153
6036154

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

ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: B-15 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-15

LLI Sample # WW 6036144
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR15

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-15 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-15

LLI Sample # WW 6036144
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 13:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR15

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 07:34	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 07:34	Holly Berry	1

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

Sample Description: Field Dup #4 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY Dup #4

LLI Sample # WW 6036145
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

CORFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.8 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	2.3 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: Field Dup #4 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY Dup #4

LLI Sample # WW 6036145
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

CORFD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 07:57	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 07:57	Holly Berry	1

Sample Description: B-67 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-67

LLI Sample # WW 6036146
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR67

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-67 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-67

LLI Sample # WW 6036146
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR67

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 08:21	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 08:21	Holly Berry	1

Sample Description: B-66 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-66

LLI Sample # WW 6036147
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 12:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR66

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-66 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-66

LLI Sample # WW 6036147
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 12:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR66

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 10:42	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 10:42	Holly Berry	1

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

Sample Description: B-40 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-40

LLI Sample # WW 6036148
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 10:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR40

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.7 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	2.5 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-40 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-40

LLI Sample # WW 6036148
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 10:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR40

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 08:44	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 08:44	Holly Berry	1

Sample Description: B-41 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6036149
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	4.1 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-41 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6036149
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR41

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 03:11	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 03:11	Holly Berry	1

Sample Description: B-41 Matrix Spike Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6036150
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	16	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	21	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	19	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	18	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	24	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	26	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	27	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	25	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10903	Methylene Chloride	75-09-2	23	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	18	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	21	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	22	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-41 Matrix Spike Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6036150
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR41

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 03:35	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 03:35	Holly Berry	1

Sample Description: B-41 Matrix Spike Dup Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6036151
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR41

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	17	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	19	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	21	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	19	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	21	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	18	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	24	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	24	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	27	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	27	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	25	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	20	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10903	Methylene Chloride	75-09-2	23	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	24	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	21	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	23	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-41 Matrix Spike Dup Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6036151
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 11:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR41

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 03:58	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 03:58	Holly Berry	1

Sample Description: B-59 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-59

LLI Sample # WW 6036152
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 16:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR59

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	6.9	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	2.2 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	3.0 J	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-59 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-59

LLI Sample # WW 6036152
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 16:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR59

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 09:08	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 09:08	Holly Berry	1

Sample Description: B-60 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-60

LLI Sample # WW 6036153
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 15:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR60

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-60 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-60

LLI Sample # WW 6036153
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 15:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR60

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 09:32	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 09:32	Holly Berry	1

Sample Description: B-61 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-61

LLI Sample # WW 6036154
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 15:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR61

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-61 Water
BP Sanborn COC: 193386
2640 Cory Drive - Sanborn, NY B-61

LLI Sample # WW 6036154
LLI Group # 1203776
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2010 15:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2010 09:00

BP Corporation

Reported: 07/25/2010 17:22

501 WestLake Park Blvd

Discard: 08/25/2010

Houston TX 77079

COR61

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102032AA	07/23/2010 09:55	Holly Berry	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102032AA	07/23/2010 09:55	Holly Berry	1

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/25/10 at 05:22 PM

Group Number: 1203776

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: T102032AA	Sample number(s): 6036144-6036154								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	84		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	103		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	86		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	85		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	108		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	102		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	106		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	96		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	110		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	95		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	96		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	79		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	111		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	115		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	123		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	108		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	116		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	106		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	96		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	94		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	114		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	98		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	105		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	109		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	100		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	111		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	93		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	95		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	101		59-120		

Sample Matrix Quality Control

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/25/10 at 05:22 PM

Group Number: 1203776

<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: T102032AA Sample number(s): 6036144-6036154 UNSPK: 6036149									
Benzyl Chloride	81	86	62-120	6	30				
Bromobenzene	97	103	82-115	6	30				
Bromodichloromethane	106	106	78-125	0	30				
Bromoform	85	86	60-121	1	30				
Bromomethane	93	93	38-149	0	30				
Carbon Tetrachloride	117	118	81-138	1	30				
Chlorobenzene	106	106	87-124	0	30				
Chloroethane	106	103	51-145	3	30				
2-Chloroethyl Vinyl Ether	97	94	10-151	3	30				
Chloroform	117	116	81-134	0	30				
Chloromethane	102	103	67-154	1	30				
Dibromochloromethane	95	98	74-116	3	30				
Dibromomethane	109	110	83-119	1	30				
1,2-Dichlorobenzene	99	104	84-119	5	30				
1,3-Dichlorobenzene	101	107	86-121	6	30				
1,4-Dichlorobenzene	100	104	85-121	4	30				
Dichlorodifluoromethane	90	90	64-163	0	30				
1,1-Dichloroethane	117	118	84-129	1	30				
1,2-Dichloroethane	119	119	66-141	0	30				
1,1-Dichloroethene	131	135	85-142	3	30				
cis-1,2-Dichloroethene	114	115	85-125	1	30				
trans-1,2-Dichloroethene	123	126	87-126	2	30				
1,2-Dichloropropane	109	110	83-124	1	30				
cis-1,3-Dichloropropene	98	100	75-125	1	30				
trans-1,3-Dichloropropene	94	95	74-119	2	30				
Methylene Chloride	113	113	79-120	0	30				
1,1,1,2-Tetrachloroethane	101	101	82-119	0	30				
1,1,2,2-Tetrachloroethane	92	95	73-119	3	30				
Tetrachloroethene	115	115	80-128	0	30				
1,1,1-Trichloroethane	120	121	80-143	1	30				
1,1,2-Trichloroethane	101	101	77-124	0	30				
Trichloroethene	119	120	88-133	1	30				
Trichlorofluoromethane	107	106	73-152	0	30				
1,2,3-Trichloropropane	94	97	76-118	3	30				
Vinyl Chloride	112	114	66-133	2	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: T102032AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6036144	107	101	96	100
6036145	108	101	97	98
6036146	108	99	96	100
6036147	104	98	95	98
6036148	108	101	96	97
6036149	105	98	97	99
6036150	102	101	100	101
6036151	103	103	99	103
6036152	108	100	96	98

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)

Group Number: 1203776

Reported: 07/25/10 at 05:22 PM

Surrogate Quality Control

6036153	107	99	97	99
6036154	108	101	96	99
Blank	104	97	96	99
LCS	102	99	98	102
MS	102	101	100	101
MSD	103	103	99	103
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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



Case Narrative

Project Name: BP Sanborn
LLI Group #: 1203776

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

10903: 8260 Std. Water Master

Sample #s: 6036144, 6036145, 6036146, 6036147, 6036148, 6036149, 6036150, 6036151, 6036152, 6036153, 6036154

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

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

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

Lab Name: <u>Lincoln Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 Newfield Pike, Lancaster, Pa 17601</u>	City, State, ZIP Code: <u>Seaborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Jessica Oruefski</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>46 Lakeview Dr. Suite 350, Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hermance</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>0001W-0038</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: _____	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>50</u> Activity: <u>22</u>	Invoice To: <u>BP/ARC</u> Contractor _____

BP/ARC EBM: <u>Bill Barber</u>				Matrix		No. Containers / Preservative							Requested Analyses										Report Type & QC Level	
EBM Phone: <u>(216) 271-8038</u>																							Standard _____	
EBM Email: _____																							Full Data Package _____	
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											Comments	
	B-15	7/19/10	1340				3	X					X										quarterly sampling	
	Field Dup ⁴	7/19/10					3	X					X											
	B-67	7/19/10	1300				3	X					X											
	B-66	7/19/10	1220				3	X					X											
	B-40	7/19/10	1020				3	X					X											
	B-41	7/19/10	1145				3	X					X											
	B-41 MS	7/19/10	1145				3	X					X											
	B-41 MSD	7/19/10	1145				3	X					X											
	B-59	7/19/10	1650				3	X					X											
	B-60	7/19/10	1510				3	X					X											

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: <u>Richard C Becker</u>	Date: <u>7/19/10</u>	Time: <u>1730</u>	Accepted By / Affiliation: <u>Katie Hartone</u>	Date: <u>7/19/10</u>	Time: <u>9:00</u>
Sampler's Company: <u>Dyn Enterprises, Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>7/19/10</u>					
Shipment Tracking No: <u>870059201995</u>						

Special Instructions: _____

THIS LINE - LAB USE ONLY: Custody Seals In Place <u>(X)</u> No	Temp Blank: <u>(X)</u> No	Cooler Temp on Receipt: <u>3.4</u> °F <u>(X)</u>	Trip Blank: <u>(X)</u> No	MS/MSD Sample Submitted: <u>(X)</u> No
----------------------------------------------------------------	---------------------------	--------------------------------------------------	---------------------------	----------------------------------------

BP/ARC Project Name:

BP, Sanborn

Reg Due Date (mm/dd/yy):

Rush TAT: Yes No

BP/ARC Facility No:

Lab Work Order Number:

[illegible]

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 7/20/10

Custody Seal Present * : YES NO

Time of Receipt: 9:00

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

Source Code: 501

Package: Chilled Not Chilled

Unpacker Emp. No.: 2114

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9422	3.4	tb	wi	y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Katie Hawthorne	7/20/10	13:10	Unpacking <u>1570100</u>
Mary Beth Reed	7/20/10	1325	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP 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
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 $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample 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 meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 28, 2010

Project: BP Sanborn - July Quarterly Sampling

Submittal Date: 07/21/2010
Group Number: 1204081
PO Number: 0001W-0044
Release Number: BARBER
State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
Field Dup #5 Water	6038207
B-57 Water	6038208
B-57 Matrix Spike Water	6038209
B-57 Matrix Spike Dup Water	6038210
B-20 Water	6038211
B-24 Water	6038212
B-56 Water	6038213
B-58 Water	6038214
B-50 Water	6038215
B-6 Water	6038216
B-52 Water	6038217
B-53 Water	6038218

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

ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: Field Dup #5 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY Fld Dup #5

LLI Sample # WW 6038207
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS5

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: Field Dup #5 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY Fld Dup #5

LLI Sample # WW 6038207
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSD5

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/23/2010 23:58	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/23/2010 23:58	Angela D Sneeringer	1

Sample Description: B-57 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6038208
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-57 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6038208
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS57

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010 00:21	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010 00:21	Angela D Sneeringer	1

Sample Description: B-57 Matrix Spike Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6038209
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	12	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	15	1.0	5.0	1
10903	Bromomethane	74-83-9	15	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	24	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	3.5 J	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	17	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	18	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	24	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	17	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	16	1.0	5.0	1
10903	Methylene Chloride	75-09-2	22	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	18	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	23	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	21	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	18	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	21	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-57 Matrix Spike Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6038209
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS57

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010 00:45	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010 00:45	Angela D Sneeringer	1

Sample Description: B-57 Matrix Spike Dup Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6038210
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS57

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	12	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	15	1.0	5.0	1
10903	Bromomethane	74-83-9	15	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	20	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	4.9 J	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	17	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	22	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	16	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	23	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	23	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	25	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	22	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	17	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	16	1.0	5.0	1
10903	Methylene Chloride	75-09-2	22	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	23	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	21	0.80	5.0	1
10903	Trichloroethene	79-01-6	24	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	20	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	21	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-57 Matrix Spike Dup Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6038210
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS57

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010 01:08	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010 01:08	Angela D Sneeringer	1

Sample Description: B-20 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-20

LLI Sample # WW 6038211
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS20

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-20 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-20

LLI Sample # WW 6038211
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS20

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 03:02	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 03:02	Nicholas P Riehl	1



Analysis Report

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Sample Description: B-24 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-24

LLI Sample # WW 6038212
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS24

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	3.1 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-24 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-24

LLI Sample # WW 6038212
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS24

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 03:23	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 03:23	Nicholas P Riehl	1

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

Sample Description: B-56 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6038213
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS56

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	25	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.1 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	0.91 J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	150	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-56 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6038213
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS56

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 03:44	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 03:44	Nicholas P Riehl	1

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

Sample Description: B-58 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-58

LLI Sample # WW 6038214
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 09:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS58

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-58 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-58

LLI Sample # WW 6038214
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 09:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS58

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 04:05	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 04:05	Nicholas P Riehl	1

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

Sample Description: B-50 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-50

LLI Sample # WW 6038215
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 14:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS50

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	10	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.90 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	49	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-50 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-50

LLI Sample # WW 6038215
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 14:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS50

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 04:25	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 04:25	Nicholas P Riehl	1

Sample Description: B-6 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-6

LLI Sample # WW 6038216
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 14:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	16	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	170	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-6 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-6

LLI Sample # WW 6038216
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 14:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS06

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 04:46	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 04:46	Nicholas P Riehl	1

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

Sample Description: B-52 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6038217
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 15:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS52

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-52 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6038217
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 15:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS52

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 05:07	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 05:07	Nicholas P Riehl	1

Sample Description: B-53 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-53

LLI Sample # WW 6038218
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 15:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS53

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	1.7 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	13	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: B-53 Water
BP Sanborn COC: 192413
2040 Cory Drive - Sanborn, NY B-53

LLI Sample # WW 6038218
LLI Group # 1204081
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/20/2010 15:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2010 09:25

BP Corporation

Reported: 07/28/2010 15:48

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDS53

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	Y102032AA	07/23/2010 05:28	Nicholas P Riehl	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y102032AA	07/23/2010 05:28	Nicholas P Riehl	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/10 at 03:48 PM

Group Number: 1204081

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: T102043AA Sample number(s): 6038207-6038210									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	80		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	93		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	99		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	85		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	86		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	100		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	95		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	85		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	108		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	93		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	95		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	75		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	105		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	114		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	111		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	102		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	108		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	101		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	106		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	99		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	107		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	91		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	94		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	98		59-120		
Batch number: Y102032AA Sample number(s): 6038211-6038218									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	106	105	69-120	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	98	98	80-120	0	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	109	105	80-120	3	30
Bromoform	N.D.	1.0	5.0	ug/l	107	106	61-120	1	30
Bromomethane	N.D.	1.0	5.0	ug/l	89	97	44-120	8	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	117	116	75-123	1	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	111	110	80-120	1	30
Chloroethane	N.D.	1.0	5.0	ug/l	100	104	49-129	4	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	97	93	56-129	4	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: 07/28/10 at 03:48 PM

Group Number: 1204081

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>
Chloroform	N.D.	0.80	5.0	ug/l	108	108	77-122	1	30
Chloromethane	N.D.	1.0	5.0	ug/l	106	117	60-129	9	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	108	108	80-120	0	30
Dibromomethane	N.D.	1.0	5.0	ug/l	109	104	80-120	4	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	107	104	80-120	2	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	103	102	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	105	104	80-120	1	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	110	124	54-152	12	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	111	108	79-120	2	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	117	112	70-130	4	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	108	107	74-123	2	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	104	103	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	107	105	80-120	2	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	114	111	78-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	105	104	80-120	1	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	107	107	79-120	0	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	130*	125*	80-120	4	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	110	108	80-120	2	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	112	110	71-120	2	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	98	99	80-121	0	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	110	108	75-127	2	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	109	105	80-120	3	30
Trichloroethene	N.D.	1.0	5.0	ug/l	107	106	80-120	1	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	98	99	64-129	0	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	104	103	80-120	1	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	105	113	59-120	7	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: T102043AA									
Sample number(s): 6038207-6038210 UNSPK: 6038208									
Benzyl Chloride	59*	60*	62-120	2	30				
Bromobenzene	97	100	82-115	3	30				
Bromodichloromethane	102	101	78-125	1	30				
Bromoform	74	74	60-121	1	30				
Bromomethane	75	74	38-149	1	30				
Carbon Tetrachloride	111	110	81-138	1	30				
Chlorobenzene	105	106	87-124	0	30				
Chloroethane	121	101	51-145	18	30				
2-Chloroethyl Vinyl Ether	17	24	10-151	34*	30				
Chloroform	115	115	81-134	0	30				
Chloromethane	87	87	67-154	0	30				
Dibromochloromethane	91	93	74-116	1	30				
Dibromomethane	107	108	83-119	1	30				
1,2-Dichlorobenzene	99	101	84-119	2	30				
1,3-Dichlorobenzene	102	104	86-121	2	30				
1,4-Dichlorobenzene	100	103	85-121	3	30				
Dichlorodifluoromethane	83	82	64-163	2	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: 07/28/10 at 03:48 PM

Group Number: 1204081

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>
1,1-Dichloroethane	113	114	84-129	1	30				
1,2-Dichloroethane	118	116	66-141	2	30				
1,1-Dichloroethene	124	124	85-142	0	30				
cis-1,2-Dichloroethene	111	110	85-125	0	30				
trans-1,2-Dichloroethene	120	121	87-126	0	30				
1,2-Dichloropropane	107	109	83-124	2	30				
cis-1,3-Dichloropropene	86	87	75-125	1	30				
trans-1,3-Dichloropropene	80	81	74-119	0	30				
Methylene Chloride	109	109	79-120	0	30				
1,1,1,2-Tetrachloroethane	101	102	82-119	0	30				
1,1,2,2-Tetrachloroethane	91	93	73-119	2	30				
Tetrachloroethene	114	114	80-128	1	30				
1,1,1-Trichloroethane	116	115	80-143	1	30				
1,1,2-Trichloroethane	101	103	77-124	2	30				
Trichloroethene	119	120	88-133	1	30				
Trichlorofluoromethane	103	100	73-152	2	30				
1,2,3-Trichloropropane	92	96	76-118	4	30				
Vinyl Chloride	103	106	66-133	3	30				

Batch number: Y102032AA

Sample number(s): 6038211-6038218 UNSPK: P034778

Benzyl Chloride	109	62-120
Bromobenzene	103	82-115
Bromodichloromethane	112	78-125
Bromoform	103	60-121
Bromomethane	97	38-149
Carbon Tetrachloride	134	81-138
Chlorobenzene	121	87-124
Chloroethane	112	51-145
2-Chloroethyl Vinyl Ether	0*	10-151
Chloroform	120	81-134
Chloromethane	112	67-154
Dibromochloromethane	107	74-116
Dibromomethane	114	83-119
1,2-Dichlorobenzene	112	84-119
1,3-Dichlorobenzene	110	86-121
1,4-Dichlorobenzene	112	85-121
Dichlorodifluoromethane	97	64-163
1,1-Dichloroethane	121	84-129
1,2-Dichloroethane	123	66-141
1,1-Dichloroethene	124	85-142
cis-1,2-Dichloroethene	115	85-125
trans-1,2-Dichloroethene	119	87-126
1,2-Dichloropropane	120	83-124
cis-1,3-Dichloropropene	103	75-125
trans-1,3-Dichloropropene	108	74-119
Methylene Chloride	134*	79-120
1,1,1,2-Tetrachloroethane	115	82-119
1,1,2,2-Tetrachloroethane	117	73-119
Tetrachloroethene	111	80-128
1,1,1-Trichloroethane	121	80-143
1,1,2-Trichloroethane	116	77-124
Trichloroethene	120	88-133
Trichlorofluoromethane	115	73-152

*- 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: 07/28/10 at 03:48 PM

Group Number: 1204081

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>
1,2,3-Trichloropropane	111		76-118						
Vinyl Chloride	117		66-133						

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260
Batch number: T102043AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6038207	105	101	98	99
6038208	105	99	97	98
6038209	103	102	100	103
6038210	103	99	100	102
Blank	105	99	97	98
LCS	102	99	101	102
MS	103	102	100	103
MSD	103	99	100	102
Limits:	80-116	77-113	80-113	78-113

Analysis Name: PPL + Xylene (total) by 8260
Batch number: Y102032AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6038211	104	102	104	98
6038212	103	100	103	96
6038213	107	102	105	96
6038214	106	104	104	97
6038215	103	100	104	95
6038216	106	104	104	96
6038217	107	103	104	96
6038218	107	102	104	96
Blank	103	104	102	94
LCS	102	104	105	103
LCSD	101	103	105	102
MS	101	101	105	103
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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



Case Narrative

Project Name: BP Sanborn - July Quarterly Sampling
LLI Group #: 1204081

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

10903: BTE 8260

Batch #: T102043AA (Sample number(s): 6038207-6038210 UNSPK: 6038208)

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

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: 2-Chloroethyl Vinyl Ether

Batch #: Y102032AA (Sample number(s): 6038211-6038218 UNSPK: P34778)

The recovery(ies) for the following analyte(s) in the LCS and/or LCSD exceeded the acceptance window indicating a positive bias: Methylene Chloride

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

Sample #s: 6038207, 6038208, 6038209, 6038210, 6038211, 6038212, 6038213, 6038214, 6038215, 6038216, 6038217, 6038218

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

Lab Name: <u>Lancaster Labs</u>				BP/ARC Facility Address: <u>2040 Cory Dr.</u>				Consultant/Contractor: <u>Parsons</u>			
Lab Address: <u>2425 Newhalland Pike, Lancaster, Pa 17601</u>				City, State, ZIP Code: <u>Samborn, NJ 14132</u>				Consultant/Contractor Project No: _____			
Lab PM: <u>Jessica Oknefski</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 LaRiviere Dr. Suite 350 Buffalo, NY 14202</u>			
Lab Phone: <u>(717) 656-2300</u>				California Global ID No.: _____				Consultant/Contractor PM: <u>George Hermance</u>			
Lab Shipping Acct: _____				Enfos Proposal No: <u>0001W-200844</u>				Phone: <u>(716) 407-4990</u>			
Lab Bottle Order No: _____				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Weber</u>			
Other Info: _____				Stage: <u>50</u> Activity: <u>22</u>				Invoice To: <u>BP/ARC</u> Contractor _____			

BP/ARC EBM: <u>Bill Bomber</u>				Matrix		No. Containers / Preservative						Requested Analyses										Report Type & QC Level	
EBM Phone: <u>(216) 271-8038</u>																				Standard _____			
EBM Email: _____																				Full Data Package _____			
Lab No.	Sample Description	Date	Time	Solid / Liquid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol											Comments <small>Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.</small>
	Field Dup #5	7/20/10		X			3	X						X							quarterly samples		
	B-57	7/20/10	1110	X			3	X						X									
	B-57 MS	7/20/10	1110	X			3	X						X									
	B-57 MSD	7/20/10	1110	X			3	X						X									
	B-20	7/20/10	1215	X			3	X						X									
	B-24	7/20/10	1100	X			3	X						X									
	B-56	7/20/10	1030	X			3	X						X									
	B-58	7/20/10	0950	X			3	X						X									
	B-50	7/20/10	1420	X			3	X						X									
	B-6	7/20/10	1435	X			3	X						X									

Sampler's Name: <u>Richard C. Bomber</u>		Relinquished By / Affiliation: <u>Richard C. Bomber</u>		Date: <u>7/20/10</u>	Time: <u>1830</u>	Accepted By / Affiliation: _____		Date: _____	Time: _____
Sampler's Company: <u>ARM Enterprises Inc.</u>									
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/20/10</u>									
Shipment Tracking No: <u>868873692274</u>								<u>7/21/10</u>	<u>925</u>

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

Rush TAT: Yes No

Lab Work Order Number:

MS/MSD Sample Submitted: Yes/ No

Environmental Sample Administration Receipt Documentation Log

Client/Project: 04M
 Date of Receipt: 7/21/10
 Time of Receipt: 925
 Source Code: 50-1
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

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

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	5.3°	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>J. Z.</u>	<u>7/21/10</u>	<u>1626</u>	Unpacking to storage
<u>Chummy Beland</u>	<u>7/21/10</u>	<u>1650</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP 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
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 $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample 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 meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

July 28, 2010

Project: BP Sanborn

Submittal Date: 07/22/2010

Group Number: 1204224

PO Number: 0001W-0044

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionP-3 Water
PW-4 Water
P-2 Water
PW-3 WaterLancaster Labs (LLI) #6039076
6039077
6039078
6039079

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

ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: P-3 Water
BP Sanborn COC: 192415
2040 Cory Drive - Sanborn, NY P-3

LLI Sample # WW 6039076
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSP3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	100	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	5.4	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	1.3 J	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: P-3 Water
BP Sanborn COC: 192415
2040 Cory Drive - Sanborn, NY P-3

LLI Sample # WW 6039076
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 11:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSP3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010 01:32	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010 01:32	Angela D Sneeringer	1

Sample Description: PW-4 Water
BP Sanborn COC: 192415
2040 Cory Drive - Sanborn, NY PW-4

LLI Sample # WW 6039077
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 10:51 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSW4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	44	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	320	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: PW-4 Water
 BP Sanborn COC: 192415
 2040 Cory Drive - Sanborn, NY PW-4

LLI Sample # WW 6039077
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 10:51 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSW4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010	01:55	Angela D Sneeringer	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010	02:19	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010	01:55	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T102043AA	07/24/2010	02:19	Angela D Sneeringer	10

Sample Description: P-2 Water
BP Sanborn COC: 192415
2040 Cory Drive - Sanborn, NY P-2

LLI Sample # WW 6039078
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 10:37 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSP2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	2.0	10	2
10903	Bromobenzene	108-86-1	N.D.	2.0	10	2
10903	Bromodichloromethane	75-27-4	N.D.	2.0	10	2
10903	Bromoform	75-25-2	N.D.	2.0	10	2
10903	Bromomethane	74-83-9	N.D.	2.0	10	2
10903	Carbon Tetrachloride	56-23-5	N.D.	2.0	10	2
10903	Chlorobenzene	108-90-7	N.D.	1.6	10	2
10903	Chloroethane	75-00-3	N.D.	2.0	10	2
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	4.0	20	2
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	1.6	10	2
10903	Chloromethane	74-87-3	N.D.	2.0	10	2
10903	Dibromochloromethane	124-48-1	N.D.	2.0	10	2
10903	Dibromomethane	74-95-3	N.D.	2.0	10	2
10903	1,2-Dichlorobenzene	95-50-1	N.D.	2.0	10	2
10903	1,3-Dichlorobenzene	541-73-1	N.D.	2.0	10	2
10903	1,4-Dichlorobenzene	106-46-7	N.D.	2.0	10	2
10903	Dichlorodifluoromethane	75-71-8	N.D.	4.0	10	2
10903	1,1-Dichloroethane	75-34-3	180	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	31	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	1,100	16	100	20
10903	trans-1,2-Dichloroethene	156-60-5	7.8 J	1.6	10	2
10903	1,2-Dichloropropane	78-87-5	N.D.	2.0	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	2.0	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	2.0	10	2
10903	Methylene Chloride	75-09-2	N.D.	4.0	10	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	2.0	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	2.0	10	2
10903	Tetrachloroethene	127-18-4	N.D.	1.6	10	2
10903	1,1,1-Trichloroethane	71-55-6	1,100	16	100	20
10903	1,1,2-Trichloroethane	79-00-5	3.8 J	1.6	10	2
10903	Trichloroethene	79-01-6	2,300	20	100	20
10903	Trichlorofluoromethane	75-69-4	N.D.	4.0	10	2
10903	1,2,3-Trichloropropane	96-18-4	N.D.	2.0	10	2
10903	Vinyl Chloride	75-01-4	60	2.0	10	2

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: P-2 Water
BP Sanborn COC: 192415
2040 Cory Drive - Sanborn, NY P-2

LLI Sample # WW 6039078
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 10:37 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSP2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010	02:42	Angela D Sneeringer	2
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010	03:06	Angela D Sneeringer	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010	02:42	Angela D Sneeringer	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T102043AA	07/24/2010	03:06	Angela D Sneeringer	20

Sample Description: PW-3 Water
BP Sanborn COC: 192415
2040 Cory Drive - Sanborn, NY PW-3

LLI Sample # WW 6039079
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 11:12 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSW3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	5.0	25	5
10903	Bromobenzene	108-86-1	N.D.	5.0	25	5
10903	Bromodichloromethane	75-27-4	N.D.	5.0	25	5
10903	Bromoform	75-25-2	N.D.	5.0	25	5
10903	Bromomethane	74-83-9	N.D.	5.0	25	5
10903	Carbon Tetrachloride	56-23-5	N.D.	5.0	25	5
10903	Chlorobenzene	108-90-7	N.D.	4.0	25	5
10903	Chloroethane	75-00-3	N.D.	5.0	25	5
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	10	50	5
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	4.0	25	5
10903	Chloromethane	74-87-3	N.D.	5.0	25	5
10903	Dibromochloromethane	124-48-1	N.D.	5.0	25	5
10903	Dibromomethane	74-95-3	N.D.	5.0	25	5
10903	1,2-Dichlorobenzene	95-50-1	N.D.	5.0	25	5
10903	1,3-Dichlorobenzene	541-73-1	N.D.	5.0	25	5
10903	1,4-Dichlorobenzene	106-46-7	N.D.	5.0	25	5
10903	Dichlorodifluoromethane	75-71-8	N.D.	10	25	5
10903	1,1-Dichloroethane	75-34-3	N.D.	5.0	25	5
10903	1,2-Dichloroethane	107-06-2	N.D.	5.0	25	5
10903	1,1-Dichloroethene	75-35-4	28	4.0	25	5
10903	cis-1,2-Dichloroethene	156-59-2	2,500	40	250	50
10903	trans-1,2-Dichloroethene	156-60-5	20 J	4.0	25	5
10903	1,2-Dichloropropane	78-87-5	N.D.	5.0	25	5
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.0	25	5
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.0	25	5
10903	Methylene Chloride	75-09-2	N.D.	10	25	5
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	5.0	25	5
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.0	25	5
10903	Tetrachloroethene	127-18-4	N.D.	4.0	25	5
10903	1,1,1-Trichloroethane	71-55-6	N.D.	4.0	25	5
10903	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10903	Trichloroethene	79-01-6	4,000	50	250	50
10903	Trichlorofluoromethane	75-69-4	N.D.	10	25	5
10903	1,2,3-Trichloropropane	96-18-4	N.D.	5.0	25	5
10903	Vinyl Chloride	75-01-4	13 J	5.0	25	5

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: PW-3 Water
 BP Sanborn COC: 192415
 2040 Cory Drive - Sanborn, NY PW-3

LLI Sample # WW 6039079
LLI Group # 1204224
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2010 11:12 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2010 09:10

BP Corporation

Reported: 07/28/2010 15:04

501 WestLake Park Blvd

Discard: 08/28/2010

Houston TX 77079

CDSW3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time		Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010	03:29	Angela D Sneeringer	5
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T102043AA	07/24/2010	03:53	Angela D Sneeringer	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T102043AA	07/24/2010	03:29	Angela D Sneeringer	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T102043AA	07/24/2010	03:53	Angela D Sneeringer	50

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/10 at 03:04 PM

Group Number: 1204224

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: T102043AA	Sample number(s): 6039076-6039079								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	80		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	93		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	99		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	85		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	86		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	103		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	100		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	95		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	85		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	108		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	93		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	95		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	97		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	75		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	105		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	114		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	110		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	111		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	102		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	91		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	108		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	93		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	101		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	106		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	99		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	107		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	91		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	94		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	98		59-120		

Sample Matrix Quality Control

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/10 at 03:04 PM

Group Number: 1204224

<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: T102043AA Sample number(s): 6039076-6039079 UNSPK: P038208									
Benzyl Chloride	59*	60*	62-120	2	30				
Bromobenzene	97	100	82-115	3	30				
Bromodichloromethane	102	101	78-125	1	30				
Bromoform	74	74	60-121	1	30				
Bromomethane	75	74	38-149	1	30				
Carbon Tetrachloride	111	110	81-138	1	30				
Chlorobenzene	105	106	87-124	0	30				
Chloroethane	121	101	51-145	18	30				
2-Chloroethyl Vinyl Ether	17	24	10-151	34*	30				
Chloroform	115	115	81-134	0	30				
Chloromethane	87	87	67-154	0	30				
Dibromochloromethane	91	93	74-116	1	30				
Dibromomethane	107	108	83-119	1	30				
1,2-Dichlorobenzene	99	101	84-119	2	30				
1,3-Dichlorobenzene	102	104	86-121	2	30				
1,4-Dichlorobenzene	100	103	85-121	3	30				
Dichlorodifluoromethane	83	82	64-163	2	30				
1,1-Dichloroethane	113	114	84-129	1	30				
1,2-Dichloroethane	118	116	66-141	2	30				
1,1-Dichloroethene	124	124	85-142	0	30				
cis-1,2-Dichloroethene	111	110	85-125	0	30				
trans-1,2-Dichloroethene	120	121	87-126	0	30				
1,2-Dichloropropane	107	109	83-124	2	30				
cis-1,3-Dichloropropene	86	87	75-125	1	30				
trans-1,3-Dichloropropene	80	81	74-119	0	30				
Methylene Chloride	109	109	79-120	0	30				
1,1,1,2-Tetrachloroethane	101	102	82-119	0	30				
1,1,2,2-Tetrachloroethane	91	93	73-119	2	30				
Tetrachloroethene	114	114	80-128	1	30				
1,1,1-Trichloroethane	116	115	80-143	1	30				
1,1,2-Trichloroethane	101	103	77-124	2	30				
Trichloroethene	119	120	88-133	1	30				
Trichlorofluoromethane	103	100	73-152	2	30				
1,2,3-Trichloropropane	92	96	76-118	4	30				
Vinyl Chloride	103	106	66-133	3	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: T102043AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6039076	104	98	98	99
6039077	106	101	99	99
6039078	108	101	97	99
6039079	107	101	96	96
Blank	105	99	97	98
LCS	102	99	101	102
MS	103	102	100	103
MSD	103	99	100	102

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/10 at 03:04 PM

Group Number: 1204224

Surrogate Quality Control

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 #: 1204224

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:**10903: BTE 8260**

Batch #: T102043AA (Sample number(s): 6039076-6039079 UNSPK: P38208)

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

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside acceptance windows: 2-Chloroethyl Vinyl Ether

Sample #s: 6039076, 6039077, 6039078, 6039079

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

[illegible]

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 7/22/10

Custody Seal Present *: YES NO

Time of Receipt: 9:10

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

Source Code: 50-1

Unpacker Emp. No.: 2114

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9422	5.7	Hb	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
Katie Hawthorne	7/22/10	14:25	Unpacking to storage
Sammy Hela	7/22/10	14:50	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP 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
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 $\geq IDL$
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample 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 meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

ANALYTICAL RESULTS

Prepared by:

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

Prepared for:

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

August 01, 2010

Project: BP Sanborn - July Quarterly Sampling

Submittal Date: 07/23/2010

Group Number: 1204438

PO Number: 0001W-0044

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-64 Water
B-64MS Matrix Spike Water
B-64MSD Matrix Spike Dup Water
Field Dup #6 Water
B-63 Water
B-62 Water
B-55 Water
B-54 Water
B-65 WaterLancaster Labs (LLI) #6040531
6040532
6040533
6040534
6040535
6040536
6040537
6040538
6040539

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

ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

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

Respectfully Submitted,



Robin C. Runkle
Senior Specialist

Sample Description: B-64 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6040531
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS64

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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

Page 2 of 2

Sample Description: B-64 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6040531
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS64

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 02:28	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 02:28	Kathrine K Muramatsu	1

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

Sample Description: B-64MS Matrix Spike Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6040532
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS64

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	15	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	19	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	23	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	21	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	25	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	16	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	22	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	22	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	20	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	19	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	20	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	20	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	20	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	20	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	19	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10903	Methylene Chloride	75-09-2	19	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	20	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	21	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	26	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	24	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-64MS Matrix Spike Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6040532
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS64

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 02:51	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 02:51	Kathrine K Muramatsu	1

Sample Description: B-64MSD Matrix Spike Dup Water
 BP Sanborn COC: 192416
 2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6040533
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS64

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	15	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	23	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	20	1.0	5.0	1
10903	Chlorobenzene	108-90-7	21	0.80	5.0	1
10903	Chloroethane	75-00-3	24	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	23	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	20	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	20	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	20	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	20	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	20	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	20	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	20	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	19	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	19	1.0	5.0	1
10903	Methylene Chloride	75-09-2	19	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	19	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	22	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	20	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	21	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	24	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	24	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-64MSD Matrix Spike Dup Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6040533
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS64

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 03:14	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 03:14	Kathrine K Muramatsu	1

Sample Description: Field Dup #6 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY Fld Dup #6

LLI Sample # WW 6040534
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS6

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: Field Dup #6 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY Fld Dup #6

LLI Sample # WW 6040534
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDSD6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 03:37	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 03:37	Kathrine K Muramatsu	1

Sample Description: B-63 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-63

LLI Sample # WW 6040535
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS63

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-63 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-63

LLI Sample # WW 6040535
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS63

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 03:59	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 03:59	Kathrine K Muramatsu	1

Sample Description: B-62 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-62

LLI Sample # WW 6040536
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 11:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS62

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-62 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-62

LLI Sample # WW 6040536
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 11:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS62

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 04:22	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 04:22	Kathrine K Muramatsu	1

Sample Description: B-55 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-55

LLI Sample # WW 6040537
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS55

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-55 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-55

LLI Sample # WW 6040537
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS55

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 04:45	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 04:45	Kathrine K Muramatsu	1

Sample Description: B-54 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-54

LLI Sample # WW 6040538
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS54

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Page 2 of 2

Sample Description: B-54 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-54

LLI Sample # WW 6040538
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS54

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 05:08	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 05:08	Kathrine K Muramatsu	1

Sample Description: B-65 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6040539
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 14:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS65

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	N.D.	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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

General Sample Comments

State of New York Certification No. 10670

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

Sample Description: B-65 Water
BP Sanborn COC: 192416
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6040539
LLI Group # 1204438
Account # 12495

Project Name: BP Sanborn - July Quarterly Sampling

Collected: 07/22/2010 14:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/23/2010 10:10

BP Corporation

Reported: 08/01/2010 14:51

501 WestLake Park Blvd

Discard: 09/01/2010

Houston TX 77079

CDS65

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	N102091AA	07/28/2010 05:31	Kathrine K Muramatsu	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	N102091AA	07/28/2010 05:31	Kathrine K Muramatsu	1

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 08/01/10 at 02:51 PM

Group Number: 1204438

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: N102091AA Sample number(s): 6040531-6040539									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	77		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	99		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	95		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	92		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	110		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	94		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	115		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	80		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	99		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	102		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	100		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	99		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	87		54-152		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	95		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	98		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	88		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	97		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	95		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	98		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	95		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	93		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	93		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	99		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	100		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	103		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	96		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	104		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	100		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	110		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	103		59-120		

Sample Matrix Quality Control

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

MS	MSD	MS/MSD	RPD	BKG	DUP	DUP	Dup RPD
----	-----	--------	-----	-----	-----	-----	---------

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 08/01/10 at 02:51 PM

Group Number: 1204438

<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: N102091AA	Sample number(s): 6040531-6040539 UNSPK: 6040531								
Benzyl Chloride	77	76	62-120	1	30				
Bromobenzene	100	101	82-115	1	30				
Bromodichloromethane	95	98	78-125	3	30				
Bromoform	90	91	60-121	1	30				
Bromomethane	117	115	38-149	1	30				
Carbon Tetrachloride	105	101	81-138	4	30				
Chlorobenzene	105	105	87-124	0	30				
Chloroethane	123	121	51-145	1	30				
2-Chloroethyl Vinyl Ether	80	84	10-151	5	30				
Chloroform	103	104	81-134	1	30				
Chloromethane	110	114	67-154	3	30				
Dibromochloromethane	96	99	74-116	3	30				
Dibromomethane	99	99	83-119	0	30				
1,2-Dichlorobenzene	101	101	84-119	0	30				
1,3-Dichlorobenzene	100	101	86-121	1	30				
1,4-Dichlorobenzene	100	101	85-121	1	30				
Dichlorodifluoromethane	108	100	64-163	7	30				
1,1-Dichloroethane	98	100	84-129	2	30				
1,2-Dichloroethane	96	100	66-141	4	30				
1,1-Dichloroethene	98	98	85-142	0	30				
cis-1,2-Dichloroethene	101	101	85-125	0	30				
trans-1,2-Dichloroethene	101	103	87-126	1	30				
1,2-Dichloropropane	100	101	83-124	2	30				
cis-1,3-Dichloropropene	94	96	75-125	3	30				
trans-1,3-Dichloropropene	94	94	74-119	0	30				
Methylene Chloride	93	95	79-120	1	30				
1,1,1,2-Tetrachloroethane	99	101	82-119	2	30				
1,1,2,2-Tetrachloroethane	96	96	73-119	0	30				
Tetrachloroethene	114	112	80-128	2	30				
1,1,1-Trichloroethane	102	102	80-143	0	30				
1,1,2-Trichloroethane	102	102	77-124	0	30				
Trichloroethene	105	106	88-133	0	30				
Trichlorofluoromethane	132	122	73-152	8	30				
1,2,3-Trichloropropane	97	95	76-118	2	30				
Vinyl Chloride	119	119	66-133	0	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: N102091AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6040531	101	100	99	84
6040532	101	103	103	97
6040533	101	105	103	98
6040534	100	100	101	88
6040535	101	99	100	85
6040536	101	101	100	86
6040537	103	102	99	85
6040538	101	99	98	83
6040539	103	103	99	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)

Group Number: 1204438

Reported: 08/01/10 at 02:51 PM

Surrogate Quality Control

Blank	100	100	100	85
LCS	101	100	102	96
MS	101	103	103	97
MSD	101	105	103	98
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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



Case Narrative

Project Name: BP Sanborn - July Quarterly Sampling
LLI Group #: 1204438

General Comments:

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client. The compliance signature is located on the cover page of the Analysis Reports.

See the Laboratory Sample Analysis Record section of the Analysis Report for the method references.

All QC met criteria unless otherwise noted in an Analysis Specific Comment below. Refer to the QC Summary for specific values and acceptance criteria.

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Surrogate recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in an Analysis Specific Comment below.

The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted.

Analysis Specific Comments:

10903: 8260 Std. Water Master

Sample #s: 6040531, 6040532, 6040533, 6040534, 6040535, 6040536, 6040537, 6040538, 6040539

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

Lab Name: Lancaster Labs				BP/ARC Facility Address: 2040 Cory Dr.				Consultant/Contractor: Parsons							
Lab Address: 2425 New Holland Pike, Lancaster, PA 17601				City, State, ZIP Code: Sanborn, NY 14152				Consultant/Contractor Project No:							
Lab PM: Jessica Oknefski				Lead Regulatory Agency: NYSDDEC				Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 14202							
Lab Phone: (717) 656-2300				California Global ID No.:				Consultant/Contractor PM: George Herpance							
Lab Shipping Acct:				Enfos Proposal No: 0001W-0044				Phone: (716) 409-4990							
Lab Bottle Order No:				Accounting Mode: 10 Provision OOC-BU OOC-RM				Email EDD To: Lorraine Weber							
Other Info:				Stage: 30 Activity: 22				Invoice To: BP/ARC Contractor							
BP/ARC EBM: Bill Barber				Matrix		No. Containers / Preservative		Requested Analyses				Report Type & QC Level			
EBM Phone: (216) 271-8038												Standard			
EBM Email:												Full Data Package			
Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol		Comments	
	B-64	7/22/10	1300	X			3	X					X	quarterly samples	
	B-64 MS	7/22/10	1300	X			3	X					X		
	B-64 MSD	7/22/10	1300	X			3	X					X		
	Field Dup #6	7/22/10		X			3	X					X		
	B-63	7/22/10	1125	X			3	X					X		
	B-62	7/22/10	1120	X			3	X					X		
	B-55	7/22/10	1215	X			3	X					X		
	B-54	7/22/10	1000	X			3	X					X		
	B-65	7/22/10	1420	X			3	X					X		
Sampler's Name: Richard C Becken				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time
Sampler's Company: O & M Enterprises, Inc.				Richard C Becken O & M				7/22/10	1600						
Shipment Method: Fed Ex Ship Date: 7/22/10															
Shipment Tracking No: 868873682311										32				7/23/10	1010
Special Instructions:															

Environmental Sample Administration Receipt Documentation Log

Client/Project: 0+M
 Date of Receipt: 7/23/10
 Time of Receipt: 1010
 Source Code: 50-1
 Unpacker Emp. No.: 2308

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

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

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0129951	2.7°	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Sample Administration Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
<u>2</u>	<u>7/23/10</u>	<u>1440</u>	Unpacking <u>to storage</u>
<u>Sammy Dela</u>	<u>7/23/10</u>	<u>1456</u>	Place in Storage or <u>Entry</u>
			Entry
			Entry

Explanation of Symbols and Abbreviations

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

RL	Reporting Limit	BMQL	Below Minimum Quantitation Level
N.D.	none detected	MPN	Most Probable Number
TNTC	Too Numerous To Count	CP Units	cobalt-chloroplatinate units
IU	International Units	NTU	nephelometric turbidity units
umhos/cm	micromhos/cm	ng	nanogram(s)
C	degrees Celsius	F	degrees Fahrenheit
meq	milliequivalents	lb.	pound(s)
g	gram(s)	kg	kilogram(s)
ug	microgram(s)	mg	milligram(s)
ml	milliliter(s)	l	liter(s)
m3	cubic meter(s)	ul	microliter(s)
<	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		
J	estimated value – The result is \geq the Method Detection Limit (MDL) and $<$ the Limit of Quantitation (LOQ).		
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.		
ppb	parts per billion		
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.		

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	B	Value is $<$ CRDL, but \geq IDL
B	Analyte was also detected in the blank	E	Estimated due to interference
C	Pesticide result confirmed by GC/MS	M	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	N	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	S	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	U	Compound was not detected
P	Concentration difference between primary and confirmation columns $>25\%$	W	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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APPENDIX C

WATER QUALITY DATABASE
JANUARY 2001 THROUGH SEPTEMBER 2010

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663812	8021	ND	ND	0.34 J	ND	ND	1.6	50	ND	4.1	ND	2	58.04
07/12/2002	A2713901	8021	ND	ND	2.4	ND	2.2 J	13	360	ND	36	1.8	18	433.4
07/08/2003	A3649103	8021	ND	ND	ND	ND	7.4	8.5	490	ND	14	ND	5	524.9
07/06/2004	A4636508	8021	ND	ND	2.6	4.4	ND	7.3	190	ND	29	ND	18	251.3
07/14/2005	A5740501	8260/5ML	ND	ND	ND	ND	ND	3.8	75	ND	6.7	ND	7.7	93.2
07/14/2006	6G14010-08	8260B	ND	ND	ND	ND	ND	2	41	ND	3	ND	4	50
07/09/2007	7G10002-01	8260B	ND	ND	ND	ND	ND	ND	33	ND	2	ND	11	46
07/23/2008	5423254	8260B	ND	ND	1.1 J	1 J	ND	4.3 J	190	ND	19	ND	14	229.4
07/08/2009	5719621	8260B	ND	ND	1.4 J	1.4 J	ND	4.5 J	240	ND	16	ND	56	319.3
07/12/2010	6030552	8260B	ND	ND	ND	1 J	ND	4.5 J	170	ND	18	ND	24	217.5

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- 4M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663816	8021	ND	ND	ND	ND	0.58 J	1.6	61	ND	5.5	ND	1.5 J	70.18
07/12/2002	A2713906	8021	ND	ND	ND	ND	ND	1.5	47	ND	5	ND	5.6	59.1
07/08/2003	A3649109	8021	ND	ND	ND	ND	ND	2.3	67	ND	7.8	ND	6.4	83.5
07/06/2004	A4636506	8021	ND	ND	ND	ND	ND	1.9	38	ND	8.2	ND	10	58.1
07/14/2005	A5740502	8260/5ML	ND	ND	ND	ND	ND	1.8	36	ND	5.4	ND	12	55.2
07/14/2006	6G14010-07	8260B	ND	ND	ND	ND	ND	2	28	ND	5	ND	20	55
07/09/2007	7G10002-02	8260B	ND	ND	ND	ND	ND	1	24	ND	4	ND	22	51
07/23/2008	5423255	8260B	ND	ND	ND	ND	ND	1.8 J	41	ND	5.1	ND	12	59.9
07/09/2009	5720682	8260B	ND	ND	ND	ND	ND	ND	20	ND	1.8 J	ND	5.1	26.9
07/12/2010	6030548	8260B	ND	ND	ND	ND	ND	1.1 J	35	ND	250	ND	1.8 J	287.9

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 5M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-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	A1663817	8021	ND	ND	ND	ND	ND	0.47 J	18	ND	20	ND	ND	38.47
07/15/2002	A2723102	8021	ND	ND	ND	ND	ND	ND	3.8	ND	9.5	ND	ND	13.3
07/10/2003	A3654101	8021	ND	ND	ND	ND	ND	ND	4.5	ND	13	ND	ND	17.5
07/07/2004	A4636503	8021	ND	ND	ND	ND	ND	1.1	16	ND	72	ND	ND	89.1
07/12/2005	A5733201	8260/5ML	ND	ND	ND	ND	ND	ND	3.8	ND	12	ND	ND	15.8
07/18/2006	6G19003-09RE1	8260B	ND	ND	ND	ND	6 B	ND	9	ND	36	ND	ND	51
07/09/2007	7G10002-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	6	ND	ND	8
07/23/2008	5423256	8260B	ND	ND	ND	ND	ND	1.5 J	54	ND	290	ND	3 J	348.5
07/13/2009	5722293	8260B	ND	ND	ND	ND	ND	1 J	20	ND	82	ND	ND	103
07/12/2010	6030549	8260B	ND	ND	ND	ND	ND	1.3 J	33	ND	3.9 J	ND	17	55.2

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043907	8021	ND	ND	ND	ND	ND	ND	2.7	ND	16	ND	ND	18.7
04/16/2001	A1345808	624	ND	ND	ND	ND	ND	ND	1.8	ND	18	ND	ND	19.8
07/13/2001	A1663814	8021	ND	ND	ND	ND	ND	ND	1.1	ND	12	ND	ND	13.1
10/10/2001	A1994701	8021	ND	ND	ND	ND	ND	ND	1.7	ND	19	ND	ND	20.7
01/23/2002	A2076801	8021	ND	ND	ND	ND	ND	0.66 J	27	ND	51	ND	ND	78.66
04/12/2002	A2351803	8021	ND	ND	ND	ND	ND	ND	9.8	ND	100	ND	ND	109.8
07/12/2002	A2713909	8021	ND	ND	ND	ND	ND	ND	11	ND	69	ND	ND	80
10/08/2002	A2999301	8021	ND	ND	ND	ND	ND	ND	9.1	ND	52	ND	ND	61.1
01/21/2003	A3069002	8021	ND	ND	ND	ND	ND	ND	6.3	ND	47	ND	ND	53.3
04/09/2003	A3329501	8021	ND	ND	ND	ND	24	ND	8.1	ND	48	ND	ND	80.1
07/08/2003	A3649108	8021	ND	ND	ND	ND	ND	ND	9.4	ND	60	ND	ND	69.4
10/13/2003	A3991405	8021	ND	ND	ND	ND	ND	ND	34	ND	130	ND	ND	164
01/28/2004	A4077401	8021	ND	ND	ND	ND	2.9	ND	37	ND	260	ND	ND	299.9
04/20/2004	A4356802	8021	ND	ND	ND	ND	ND	ND	22	ND	240	ND	ND	262
07/07/2004	A4636502	8021	ND	ND	ND	ND	ND	ND	16	ND	130	ND	ND	146
10/21/2004	A4A48001	8021	ND	ND	ND	ND	ND	ND	18	ND	100 E	ND	ND	118
01/17/2005	A5044302	8260	ND	ND	ND	ND	ND	ND	10	ND	110	ND	ND	120
04/05/2005	A5317802	8260	ND	ND	ND	ND	0.93 J	ND	6.7	ND	91 E	0.55 J	ND	99.18
04/05/2005	A5317802DL	8260	ND	ND	ND	ND	ND	ND	6.3 D	ND	95 D	ND	ND	101.3
07/12/2005	A5733202	8260/5ML	ND	ND	ND	ND	ND	ND	6.2	ND	58	ND	ND	64.2
10/05/2005	A5B10602	8260	ND	ND	ND	ND	ND	0.64 J	22	ND	97	ND	1.1 J	120.74
01/24/2006	A6089111	8260	ND	ND	ND	ND	ND	ND	7.3	ND	61	ND	ND	68.3
04/12/2006	6D13005-03	8260B	ND	ND	ND	ND	ND	ND	10	ND	99	ND	ND	109
07/18/2006	6G19003-14	8260B	ND	ND	ND	ND	5 B	ND	18	ND	109	ND	ND	132
10/10/2006	6J11002-06	8260B	ND	ND	ND	ND	ND	2	73	ND	414 D	ND	4	493
01/09/2007	7A10006-03	8260B	ND	ND	ND	ND	3 B	ND	21	ND	205 D	ND	ND	229
04/04/2007	7D05011-01	8260B	ND	ND	ND	ND	ND	ND	13	ND	150	ND	ND	163
07/11/2007	7G12003-07	8260B	ND	ND	ND	ND	ND	ND	13	ND	137	ND	ND	150
10/10/2007	7J11002-02	8260B	ND	ND	ND	ND	ND	1	45	ND	258 D	ND	3	307
01/08/2008	8A09005-06	8260B	ND	ND	ND	ND	4	3	99	ND	500 D	ND	ND	606
04/07/2008	8D08002-06	8260B	ND	ND	ND	ND	18 B	ND	33	ND	346	ND	ND	397
07/22/2008	5422164	8260B	ND	ND	ND	ND	ND	1 J	26	ND	230	ND	ND	257
10/17/2008	5502671	8260B	ND	ND	ND	ND	ND	ND	10	ND	95	ND	ND	105
01/15/2009	5578622	8260B	ND	ND	ND	ND	ND	0.92 J	26	ND	210	ND	ND	236.92
04/16/2009	5649163	8260B	ND	ND	ND	ND	ND	0.9 J	27	ND	270	ND	ND	297.9
07/09/2009	5720687	8260B	ND	ND	ND	ND	ND	0.86 J	23	ND	230	ND	ND	253.86
10/06/2009	5799016	8260B	ND	ND	ND	ND	ND	0.89 J	21	ND	190	ND	ND	211.89

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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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- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888924	8260B	ND	ND	ND	ND	ND	0.93 J	36	ND	250	ND	ND	286.93
04/06/2010	5946900	8260B	ND	ND	ND	ND	ND	ND	23	ND	280	ND	ND	303
07/20/2010	6038216	8260B	ND	ND	ND	ND	ND	ND	16	ND	170	ND	ND	186

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 7M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035103	8021	ND	ND	ND	ND	ND	ND	1.8	ND	2.2	ND	ND	4
04/20/2001	A1366402	624	ND	ND	ND	ND	ND	ND	2.9	ND	3.2	ND	ND	6.1
07/12/2001	A1663801	8021	ND	ND	ND	ND	ND	ND	0.5 J	ND	1.8	ND	ND	2.3
10/10/2001	A1994702	8021	ND	ND	ND	ND	ND	ND	0.59 J	ND	1.9	ND	ND	2.49
01/21/2002	A2066003	8021	ND	ND	ND	ND	ND	ND	1.1	ND	4.6	ND	ND	5.7
04/11/2002	A2348301	8021	ND	ND	ND	ND	ND	ND	1.5	ND	11	ND	ND	12.5
07/11/2002	A2708314	8021	ND	ND	ND	ND	ND	ND	2.3	ND	7.7	ND	ND	10
10/08/2002	A2999307	8021	ND	ND	ND	ND	ND	ND	1.8	ND	7.2	ND	ND	9
01/16/2003	A3055803	8021	ND	3.1	ND	ND	ND	ND	0.92 J	ND	4	ND	ND	8.02
04/08/2003	A3329504	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.6	ND	ND	10.9
07/08/2003	A3649101	8021	ND	ND	ND	ND	ND	ND	0.85 J	ND	5.4	ND	ND	6.25
10/10/2003	A3983901	8021	ND	ND	ND	ND	ND	ND	28	ND	63	ND	ND	91
01/09/2004	A4026201	8021	ND	ND	ND	ND	ND	ND	6.7	ND	25	ND	ND	31.7
04/14/2004	A4331802	8021	ND	ND	ND	ND	ND	ND	4.4	ND	21	ND	ND	25.4
06/30/2004	A4619301	8021	ND	ND	ND	ND	ND	ND	3.7	ND	18	ND	ND	21.7
10/26/2004	A4A60202	8021	ND	ND	ND	ND	ND	ND	3.9	ND	12	ND	ND	15.9
01/18/2005	A5051004	8260	ND	ND	ND	ND	ND	ND	1.3	ND	8.6	ND	ND	9.9
04/04/2005	A5307701	8260	ND	ND	ND	ND	ND	ND	1.6	ND	12 B	ND	ND	13.6
07/12/2005	A5725601	8260/5ML	ND	ND	ND	ND	ND	ND	1.8	ND	8.2	ND	ND	10
07/17/2006	6G18004-02	8260B	ND	ND	ND	ND	ND	ND	2	ND	8	ND	ND	10
07/10/2007	7G11015-01	8260B	ND	ND	ND	ND	ND	ND	1	ND	7	ND	ND	8
07/23/2008	5423259	8260B	ND	ND	ND	ND	ND	ND	2.2 J	ND	7.7	ND	ND	9.9
07/08/2009	5719613	8260B	ND	ND	ND	ND	ND	ND	1.5 J	ND	4.9 J	ND	ND	6.4
07/12/2010	6030554	8260B	ND	ND	ND	ND	ND	ND	1.4 J	ND	4.9 J	ND	ND	6.3

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 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
10/16/2008	5501565	8260B	ND	ND	ND	ND	ND	ND	4600	ND	32000	ND	200 J	36800
01/15/2009	5578621	8260B	ND	ND	ND	ND	ND	ND	3100	ND	63000	ND	87 J	66187

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2009	5647717	8260B	ND	ND	ND	ND	ND	ND	3100	ND	61000	ND	120 J	64220
07/07/2009	5718472	8260B	ND	ND	ND	ND	ND	ND	1200	ND	25000	ND	30 J	26230
10/07/2009	5800390	8260B	ND	ND	ND	12 J	ND	13 J	1900	ND	32000	ND	79	34004
01/20/2010	5888925	8260B	ND	ND	ND	ND	ND	ND	4600	ND	80000	ND	210 J	84810
04/14/2010	5954138	8260B	ND	ND	ND	ND	ND	ND	2700	ND	84000	ND	ND	86700
07/15/2010	6033918	8260B	ND	ND	ND	ND	ND	ND	5600	ND	94000	ND	410 J	100010

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 9M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732703	8021	ND	ND	ND	ND	ND	ND	7.4	ND	23	1.7	ND	32.1
07/02/2003	A3639709	8021	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	ND	ND	4.2
06/29/2004	A4614511	8021	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
07/07/2005	A5706807	8260	ND	ND	ND	ND	ND	ND	2.7	ND	5.4	1.4	ND	9.5
10/24/2005	A5B97302	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.3 B	ND	ND	1.3
01/24/2006	A6089109	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J	ND	ND	0.67
04/12/2006	6D13005-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-05	8260B	ND	ND	ND	ND	3	ND	2	ND	3	ND	ND	8
10/09/2006	6J10002-07	8260B	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
01/05/2007	7A05012-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2007	7G11015-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
10/09/2007	7J10006-10	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
01/07/2008	8A08003-03	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
04/07/2008	8D08002-07	8260B	ND	ND	ND	ND	2 B	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417444	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2009	5582424	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2009	5649164	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2009	5718463	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799006	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2010	5888926	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946904	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2010	6030559	8260B	ND	ND	ND	ND	ND	ND	0.85 J	ND	1.7 J	ND	ND	2.55

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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-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648708	8021	ND	ND	0.72 J	ND	1.1 J	0.64 J	21	4.3	43	ND	ND	70.76
07/16/2002	A2722907	8021	ND	ND	ND	ND	2.6	ND	14	4.3	56	ND	ND	76.9
04/25/2003	A3389601	8021	ND	ND	ND	ND	1.5 J	ND	10	3.6	52	ND	ND	67.1
07/18/2003	A3689004	8021	ND	ND	ND	ND	ND	ND	7.4	2.6	40	ND	ND	50
10/22/2003	A3A21906	8021	ND	ND	ND	ND	ND	ND	19	5.1	92	ND	ND	116.1
04/29/2004	A4402501	8021	ND	ND	ND	ND	ND	ND	10	3.8	59	ND	ND	72.8
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
07/16/2004	A4674302	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	8260B	ND	ND	ND	ND	ND	ND	5	3	30	ND	ND	38
07/18/2006	6G19003-01	8260B	ND	ND	ND	ND	4 B	ND	13	6	42	ND	ND	65
10/11/2006	6J12003-07RE1	8260B	ND	ND	ND	ND	ND	ND	9	5	53	ND	ND	67
04/18/2007	7D19009-02	8260B	ND	ND	ND	ND	ND	ND	4	3	27	ND	ND	34
07/10/2007	7G11015-04	8260B	ND	ND	ND	ND	ND	ND	6	4	36	ND	ND	46
10/09/2007	7J10006-11	8260B	ND	ND	ND	ND	ND	1	15	5	51	ND	ND	72
04/09/2008	8D10002-01	8260B	ND	ND	ND	ND	3	ND	7	3	58	ND	ND	71
07/24/2008	5424625	8260B	ND	ND	ND	ND	ND	0.81 J	8.4	4.2 J	43	ND	ND	56.41
10/20/2008	5504259	8260B	ND	ND	ND	ND	ND	0.98 J	12	5.1	61	ND	ND	79.08
04/20/2009	5651166	8260B	ND	ND	ND	ND	ND	ND	5	3 J	35	ND	ND	43
07/07/2009	5718465	8260B	ND	ND	ND	ND	ND	ND	5.5	2.9 J	35	ND	ND	43.4
10/06/2009	5799010	8260B	ND	ND	ND	ND	ND	ND	6.5	3.6 J	46	ND	ND	56.1
04/14/2010	5954139	8260B	ND	ND	ND	ND	ND	ND	3.9 J	2.4 J	31	ND	ND	37.3
07/12/2010	6030558	8260B	ND	ND	ND	ND	ND	ND	5.1	2.8 J	30	ND	ND	37.9

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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-11M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648706	8021	ND	ND	ND	ND	12	ND	21	ND	270	ND	ND	303
07/16/2002	A2722909	8021	ND	ND	ND	ND	ND	ND	230	ND	1500	ND	ND	1730
07/10/2003	A3654302	8021	ND	ND	ND	ND	ND	ND	160	ND	990	ND	ND	1150
07/07/2004	A4636802	8021	ND	ND	ND	ND	ND	ND	200	ND	1600	35	ND	1835
07/14/2005	A5740602	8260/5ML	ND	ND	ND	1.4	ND	2.7	340 E	ND	710 E	87	1.3 J	1142.4
07/14/2005	A5740602DL	8260/5ML	ND	ND	ND	ND	ND	ND	310 D	ND	2000 D	57 D	ND	2367
07/14/2006	6G14010-04	8260B	ND	ND	ND	ND	ND	ND	189	ND	1090	30	ND	1309
07/16/2007	7G17015-08	8260B	ND	ND	ND	ND	ND	ND	155	ND	1150	67	ND	1372
07/24/2008	5424624	8260B	ND	ND	ND	ND	ND	0.87 J	170	ND	700	21	ND	891.87
07/07/2009	5718478	8260B	ND	ND	ND	ND	ND	1.8 J	76	ND	470	21	ND	568.8
07/12/2010	6030557	8260B	ND	ND	ND	ND	ND	1.5 J	83	ND	500	26	ND	610.5

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-12M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732704	8021	ND	ND	1	ND	ND	ND	30	1.4	74	ND	ND	106.4
07/02/2003	A3639710	8021	ND	ND	8.3	1.8	ND	3.8	87 D	26	82	ND	ND	208.9
06/29/2004	A4614512	8021	ND	ND	4	ND	ND	2.7	71	8.3	240	ND	ND	326
07/08/2005	A5715203	8260/5ML	ND	ND	0.56 J	ND	ND	ND	7.3	1.1	30	ND	ND	38.96
07/18/2006	6G19003-15	8260B	ND	ND	9	3	5 B	4	164	8	581 D	ND	6	780
07/09/2007	7G10002-04RE1	8260B	ND	ND	1	ND	ND	ND	20	2	77	ND	ND	100
07/16/2008	5417452	8260B	ND	ND	69	13	ND	7.8 J	560	110	1600	ND	17	2376.8
07/13/2009	5722292	8260B	ND	ND	37	4.3 J	ND	7.1 J	290	78	660	ND	ND	1076.4
07/12/2010	6030550	8260B	ND	ND	34	8.5 J	ND	6.4 J	370	64	1700	ND	2.1 J	2185

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/19/2001	A1361310	624	ND	ND	ND	ND	ND	2.6	67	ND	12	ND	ND	81.6
07/12/2001	A1663807	8021	ND	7.6	ND	ND	5.5	14	720	ND	120	ND	ND	867.1
07/16/2002	A2722911	8021	ND	ND	ND	ND	14	18	1000	ND	140	ND	ND	1172
04/22/2003	A3376301	8021	ND	ND	ND	ND	22	14	1400	ND	1400	ND	82	2918
07/18/2003	A3689003	8021	ND	ND	10	ND	ND	12	1300	ND	470	ND	48	1840
10/22/2003	A3A21905	8021	ND	ND	12	ND	ND	10	1600	ND	310	ND	71	2003
04/27/2004	A4387501	8021	ND	ND	ND	ND	ND	16	1100	ND	89	ND	34	1239
07/13/2004	A4663801	8021	ND	42	16	19	30	27	950	ND	200	ND	40	1324
10/13/2004	A4A09403	8021	ND	ND	18	5.8	1.5 B	14	760 D	2.4	250 D	ND	21	1072.7
04/19/2005	A5387404	8260	ND	ND	21	6.9	ND	10	1100 E	2.6	450 E	ND	22	1612.5
04/19/2005	A5387404DL	8260	ND	ND	ND	ND	ND	ND	1100 D	ND	440 D	ND	ND	1540
07/21/2005	A5768401	8260/5ML	ND	ND	8.5	8.4	ND	24	1100 E	ND	300	ND	9	1449.9
07/21/2005	A5768401DL	8260/5ML	ND	ND	ND	ND	ND	12 D	640 D	ND	110 D	ND	38 D	800
10/20/2005	A5B92004	8260	ND	ND	6.7	ND	6.5 B	20	1000 E	ND	210	ND	13	1256.2
10/20/2005	A5B92004DL	8260	ND	ND	ND	ND	ND	12 D	640 D	ND	140 BD	ND	22 D	814
01/24/2006	A6089113	8260	ND	ND	2.8	ND	4.2	2.3	230	ND	81	ND	4.7	325
04/18/2006	6D19002-03	8260B	ND	ND	3	1	ND	5	321 D	ND	137	ND	5	472
07/14/2006	6G14010-05	8260B	ND	ND	7	5	9	20	838 D	ND	202	ND	59	1140
10/11/2006	6J12003-01	8260B	ND	ND	3	2	ND	8	368 D	ND	73	ND	19	473
01/10/2007	7A11003-05	8260B	ND	ND	2	ND	ND	2	225 D	ND	84	ND	7	320
04/12/2007	7D13007-01	8260B	ND	ND	1	ND	ND	3	152	ND	63	ND	8	227
07/12/2007	7G13019-08	8260B	ND	ND	3	2	ND	10	437 D	ND	127	ND	25	604
10/09/2007	7J10006-02	8260B	ND	ND	ND	ND	ND	9	413	ND	122	ND	27	571
01/08/2008	8A09005-01	8260B	ND	ND	ND	ND	ND	ND	241	ND	59	ND	ND	300
04/10/2008	8D11008-03	8260B	ND	ND	7	ND	12	6	536	ND	456	ND	18	1035
07/24/2008	5424627	8260B	ND	ND	4.4 J	4.2 J	ND	14	660	ND	210	ND	33	925.6
10/15/2008	5499970	8260B	ND	ND	3.7 J	2.6 J	ND	12	470	ND	180	ND	6.1	674.4
01/14/2009	5577590	8260B	ND	ND	4.9 J	2.1 J	ND	3.6 J	260	3.4 J	270	ND	3.4 J	547.4
04/14/2009	5646770	8260B	ND	ND	5.2	3.1 J	ND	7	460	3.2 J	460	ND	17	955.5
07/09/2009	5720678	8260B	ND	ND	4.7 J	3.7 J	ND	14	640	0.92 J	230	ND	39	932.32
10/05/2009	5797965	8260B	ND	ND	4.5 J	3 J	ND	9.7	520	ND	180	ND	33	750.2
01/25/2010	5892345	8260B	ND	ND	ND	ND	ND	ND	59	ND	71	ND	1.6 J	131.6
04/13/2010	5953086	8260B	ND	ND	4.2 J	2.6 J	ND	5.8	360	2.3 J	340	ND	19	733.9
07/14/2010	6032692	8260B	ND	ND	3.3 J	2 J	ND	8	430	ND	140	ND	24	607.3

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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-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

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-15M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793603	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.4
07/15/2003	A3670606	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	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
07/08/2009	5719628	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036144	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732702	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	2.3
07/02/2003	A3639712	8021	ND	ND	ND	ND	ND	ND	ND	ND	4.7	ND	ND	4.7
07/02/2003	A3639712RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/29/2004	A4614510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	0.77
07/13/2006	6G14009-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418429	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719617	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2010	6030553	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-17M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041308	8021	ND	ND	ND	ND	ND	ND	3100	ND	8000	ND	ND	11100
04/20/2001	A1366401	624	ND	ND	100 E	9.7	ND	30	1500 D	9.4	5300 D	3.6	6.1	6958.8
07/11/2001	A1648713	8021	ND	ND	ND	ND	180	ND	3700	ND	8400	ND	ND	12280
10/16/2001	A1A17410	8021	ND	ND	ND	ND	1000	ND	2600	ND	29000	ND	ND	32600
01/25/2002	A2081503	8021	ND	140	ND	ND	140	ND	4500	ND	2800	ND	91	7671
04/22/2002	A2391101	8021	ND	ND	ND	ND	76	ND	12000	ND	4300	ND	2100	18476
07/17/2002	A2732601	8021	ND	ND	ND	ND	160	ND	8600	ND	5500	ND	1800	16060
10/15/2002	A2A23603	8021	ND	ND	ND	ND	1000	ND	49000	ND	17000	ND	4300	71300
01/24/2003	A3075207	8021	ND	ND	ND	ND	190	ND	12000	ND	7100	ND	2600	21890
04/23/2003	A3376304	8021	ND	ND	ND	ND	ND	ND	12000	ND	4400	ND	1400	17800
07/22/2003	A3699406	8021	ND	ND	ND	ND	ND	ND	13000	ND	3800	ND	1100	17900
10/22/2003	A3A28302	8021	ND	ND	ND	ND	170	ND	20000	ND	2500	ND	2600	25270
01/21/2004	A4053403	8021	ND	ND	ND	ND	ND	ND	7800	ND	5600	ND	620	14020
04/28/2004	A4387504	8021	ND	ND	ND	ND	ND	ND	8100	ND	5300	ND	700	14100
07/09/2004	A4647102	8021	ND	ND	120	220	ND	ND	14000	ND	3500	ND	1600	19440
10/08/2004	A4994203	8021	ND	ND	ND	ND	ND	ND	7700	ND	3300	ND	640	11640
01/18/2005	A5051102	8260	ND	ND	100	52	ND	ND	9600	ND	7800	ND	1300	18852
04/19/2005	A5387401	8260	ND	ND	ND	ND	ND	ND	13000 E	ND	6900	ND	1300	21200
04/19/2005	A5387401DL	8260	ND	ND	ND	ND	ND	ND	12000 D	ND	6700 D	ND	1200 D	19900
07/21/2005	A5768404	8260/5ML	ND	ND	110	ND	ND	130	15000	ND	8600	ND	1500	25340
10/21/2005	A5B92803	8260	ND	ND	69	43	ND	60	3300 E	120 E	2900 E	0.98 J	850 E	7342.98
10/21/2005	A5B92803DL	8260	ND	ND	ND	ND	ND	ND	9500 D	140 D	8900 D	ND	1000 D	19540
01/26/2006	A6102401	8260	ND	ND	67	ND	ND	ND	4300	ND	8400	ND	470	13237
04/19/2006	6D20002-04RE1	8260B	ND	ND	48	39	ND	60	9570 D	ND	7730 D	ND	1210	18657
07/18/2006	6G19003-05	8260B	ND	ND	72	40	212 B	61	8250 D	34	8170 D	ND	1320	18159
10/09/2006	6J10002-09	8260B	ND	ND	66	28	129	36	6730 D	175	12000 D	ND	798	19962
01/09/2007	7A10006-08	8260B	ND	ND	ND	ND	227	ND	5190	ND	12800 D	ND	372	18589
04/12/2007	7D13007-03	8260B	ND	ND	ND	ND	ND	ND	3100	ND	3100	ND	475	6675
07/16/2007	7G17015-01	8260B	ND	ND	ND	ND	ND	ND	8490	ND	2940	ND	1510	12940
10/09/2007	7J10006-08	8260B	ND	ND	ND	ND	277	ND	12300	ND	3150	ND	2540	18267
01/07/2008	8A08003-10	8260B	ND	ND	129	ND	350	ND	4910	ND	3070	ND	718	9177
04/09/2008	8D10002-02	8260B	ND	ND	184	ND	468	ND	5820	70	2530	ND	1020	10092
07/25/2008	5426027	8260B	ND	ND	71	44 J	ND	45 J	8000	11 J	3800	ND	1300	13271
10/14/2008	5498684	8260B	ND	ND	100	50 J	ND	52	11000	10 J	3900	ND	1500	16612
01/14/2009	5577592	8260B	ND	ND	180	39	ND	34	5900	49	2800	5.8 J	910	9917.8
04/15/2009	5647720	8260B	ND	ND	210	49 J	ND	35 J	6600	75	3900	9.4 J	750	11628.4
07/07/2009	5718470	8260B	ND	ND	120	50	ND	62	14000	20 J	3700	ND	2200	20152

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-17M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800387	8260B	ND	ND	84	52	ND	44	7500	12	4900	2.3 J	960	13554.3
01/20/2010	5888921	8260B	ND	ND	220	39 J	ND	32 J	6300	67	3000	ND	620	10278
04/12/2010	5951990	8260B	ND	ND	260	65	ND	39 J	7400	93	7900	14 J	820	16591
07/14/2010	6032688	8260B	ND	ND	110	46 J	ND	53	14000	14 J	4300	ND	1700	20223

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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-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
07/07/2009	5718468	8260B	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	5.5	16.5
07/15/2010	6033922	8260B	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND	5.4	11.9

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035110	8021	ND	ND	1.4	ND	ND	ND	6.4	1.5	0.32 J	ND	1.4 J	11.02
04/19/2001	A1361309	624	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
07/12/2001	A1663806	8021	ND	ND	0.32 J	ND	ND	ND	5.5	0.27 J	0.95 J	ND	0.56 J	7.6
10/12/2001	A1A01005	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.25 J	ND	0.24 J	2.89
01/14/2002	A2039401	8021	ND	ND	0.25 J	ND	ND	ND	3.4	0.25 J	0.98 J	ND	1 J	5.88
04/08/2002	A2332601	8260	ND	ND	0.37 J	ND	ND	ND	3.4	0.22 J	0.37 J	0.24 J	0.35 J	4.95
07/08/2002	A2695501	8021	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	4.6
10/02/2002	A2980601	8021	ND	ND	0.32 J	ND	ND	ND	4.2	0.36 J	1.1 J	ND	0.43 J	6.41
01/13/2003	A3038002	8021	ND	ND	ND	ND	ND	ND	2.9	ND	1.4	ND	0.37 J	4.67
04/22/2003	A3376401	8021	ND	ND	0.31 J	ND	ND	ND	4.6	0.33 J	ND	ND	0.92 J	6.16
07/14/2003	A3670601	8021	ND	ND	0.24 J	ND	ND	ND	4.9	0.21 J	0.28 J	ND	0.51 J	6.14
10/15/2003	A3998704	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/07/2004	A4012301	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/27/2004	A4387401	8021	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	7.2
07/13/2004	A4664209	8021	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
10/13/2004	A4A09501	8021	ND	ND	ND	ND	ND	ND	11	0.57 J	ND	ND	1	12.57
01/12/2005	A5036401	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.41 J	ND	0.98 J	5.09
04/04/2005	A5307808	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.32 BJ	ND	0.75 J	4.77
07/21/2005	A5768301	8260/5ML	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	1 J	7.3
10/20/2005	A5B91902	8260	ND	ND	ND	ND	ND	ND	4	ND	0.51 J	ND	0.92 J	5.43
01/24/2006	A6089112	8260	ND	ND	ND	ND	ND	ND	4.2	ND	0.56 J	ND	1.3 J	6.06
04/18/2006	6D19002-04	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
07/14/2006	6G14010-06	8260B	ND	ND	ND	ND	8	ND	3	ND	ND	ND	ND	11
10/11/2006	6J12003-08	8260B	ND	ND	ND	ND	ND	ND	5	ND	1	ND	ND	6
01/08/2007	7A09003-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/12/2007	7D13007-02	8260B	ND	ND	ND	ND	8	ND	4	ND	ND	ND	ND	12
07/10/2007	7G11015-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
10/09/2007	7J10006-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	16	ND	ND	18
01/07/2008	8A08003-05	8260B	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
04/10/2008	8D11008-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/16/2008	5417449	8260B	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/15/2008	5499969	8260B	ND	ND	ND	ND	ND	ND	3.8 J	ND	2.2 J	ND	ND	6
01/14/2009	5577589	8260B	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND	2.6
04/14/2009	5646769	8260B	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	1.3 J	4.8
07/09/2009	5720693	8260B	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/05/2009	5797964	8260B	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	2.7
01/25/2010	5892344	8260B	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	2.1

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-19M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2010	5953087	8260B	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	2
07/14/2010	6032693	8260B	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-20M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345807	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332612	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670608	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043904	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/22/2005	A5402101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2006	6G19003-10RE1	8260B	ND	ND	ND	ND	6 B	ND	ND	ND	ND	ND	ND	6
07/11/2007	7G12003-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422165	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720683	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038211	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/23/2001	A1375208	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695511	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2003	A3356602	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670607	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2003	A3998706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/2004	A4402302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2004	A4A27801	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
01/14/2005	A5038301	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
04/22/2005	A5402104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2005	A5790301	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92301	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/11/2007	7A12004-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-02	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/07/2008	8D08002-02	8260B	ND	ND	ND	ND	10 B	ND	ND	ND	ND	ND	ND	10
07/21/2008	5420899	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499966	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576506	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651170	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722289	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799017	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893229	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948416	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033914	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-22M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035101	8021	ND	1.3	ND	ND	4.2	ND	110	ND	4.4	ND	9.6	129.5
04/23/2001	A1375207	8021	ND	ND	ND	ND	ND	ND	510	ND	50	ND	ND	560
07/18/2001	A1682908	8021	ND	ND	ND	ND	2.5	1	130	ND	13	ND	7	153.5
10/17/2001	A1A23305	8021	ND	ND	ND	ND	ND	1.5	230	ND	13	ND	36	280.5
01/23/2002	A2076701	8021	ND	ND	7.6	4.6	2.1 J	21	1400 D	ND	110 D	ND	9.6	1554.9
04/18/2002	A2378801	8021	ND	ND	ND	ND	0.8 J	ND	130	ND	9.2	ND	36	176
07/15/2002	A2722901	8021	ND	ND	ND	ND	2.2 J	1.4	91	ND	4.9	ND	8.1	107.6
10/15/2002	A2A23601	8021	ND	ND	ND	ND	ND	ND	79	ND	6.2	ND	13	98.2
01/22/2003	A3068901	8021	ND	ND	ND	ND	ND	0.94 J	80	ND	3.2	ND	12	96.14
04/24/2003	A3389602	8021	ND	ND	ND	ND	1.6 J	ND	130	ND	13	ND	30	174.6
07/17/2003	A3683901	8021	ND	ND	ND	ND	ND	ND	140	ND	5	ND	13	158
10/21/2003	A3A21902	8021	ND	ND	ND	ND	ND	ND	160	ND	5.7	ND	2.3	168
04/30/2004	A4402503	8021	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	40	139
07/15/2004	A4674303	8260	ND	ND	ND	ND	4.3	ND	130	ND	23	ND	ND	157.3
07/15/2004	A4674303	8021	ND	ND	2.2	ND	ND	3.9 E	170 E	ND	24	ND	10 E	210.1
10/18/2004	A4A27701	8021	ND	ND	ND	ND	ND	ND	90	ND	13	ND	ND	103
01/20/2005	A5057501	8260	ND	ND	2.8	1.6	ND	16	300 E	0.34 J	110 E	ND	2.2	432.94
01/20/2005	A5057501DL	8260					33 D	9.4 D	340 D		56 D			438.4
04/26/2005	A5414404	8260	ND	ND	ND	ND	ND	7	250	ND	33	ND	ND	290
07/25/2005	A5790401	8260/5ML	ND	ND	ND	ND	ND	1.6	110	ND	14	ND	7.8	133.4
10/21/2005	A5B92801	8260	ND	ND	ND	ND	ND	0.61 J	36	ND	3.9	ND	1.2 J	41.71
01/24/2006	A6089102	8260	ND	ND	2.9	1.4	ND	15	480 E	ND	90	ND	3.1	592.4
01/24/2006	A6089102DL	8260	ND	ND	ND	ND	ND	15 D	460 D	ND	93 D	ND	ND	568
04/19/2006	6D20002-01	8260B	ND	ND	ND	ND	ND	1	61	ND	17	ND	14	93
07/17/2006	6G18004-05	8260B	ND	ND	ND	ND	ND	ND	29	ND	5	ND	2	36
10/10/2006	6J11002-08	8260B	ND	ND	ND	ND	ND	1	66	ND	10	ND	4	81
01/11/2007	7A12004-02	8260B	ND	ND	3	ND	ND	14	370 D	ND	89	ND	ND	476
04/19/2007	7D20005-01	8260B	ND	ND	ND	ND	ND	5	136	ND	35	ND	5	181
07/18/2007	7G19011-02	8260B	ND	ND	ND	ND	ND	ND	26	ND	5	ND	ND	31
10/11/2007	7J12012-03	8260B	ND	ND	ND	ND	ND	ND	24	ND	4	ND	ND	28
01/09/2008	8A10002-01	8260B	ND	ND	ND	ND	ND	ND	17	ND	3	ND	3	23
04/08/2008	8D09003-07	8260B	ND	ND	2	1	6	10	301 D	ND	95	ND	2	417
07/21/2008	5420900	8260B	ND	ND	ND	ND	ND	ND	24	ND	4.9 J	ND	1.2 J	30.1
10/15/2008	5499967	8260B	ND	ND	ND	ND	ND	ND	29	ND	4.1 J	ND	ND	33.1
01/13/2009	5576505	8260B	ND	ND	3.1 J	2 J	ND	14	460	ND	120	ND	1 J	600.1
04/20/2009	5651167	8260B	ND	ND	ND	ND	ND	3.8 J	150	ND	39	ND	9.9	202.7
07/13/2009	5722290	8260B	ND	ND	ND	ND	ND	ND	27	ND	4.8 J	ND	1.6 J	33.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-22M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799012	8260B	ND	ND	ND	ND	ND	1.5 J	70	ND	15	ND	1.1 J	87.6
01/26/2010	5893228	8260B	ND	ND	ND	ND	ND	4.8 J	120	ND	44	ND	ND	168.8
04/19/2010	5957668	8260B	ND	ND	ND	ND	ND	3.8 J	110	ND	30	ND	ND	143.8
07/15/2010	6033915	8260B	ND	ND	ND	ND	ND	ND	38	ND	7.2	ND	ND	45.2

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043902	8021	ND	3.6	ND	ND	1.9 J	6.4	210	ND	13	ND	15	249.9
04/16/2001	A1345805	624	ND	ND	ND	ND	ND	7	150 D	ND	52	ND	ND	209
07/16/2001	A1674115	8021	ND	4.9	ND	ND	2.8	5.5	230	ND	23	ND	8.5	274.7
10/18/2001	A1A23310	8021	ND	ND	ND	ND	3.5	ND	280	ND	11	ND	ND	294.5
01/23/2002	A2076703	8021	ND	7.4	ND	ND	4.2	5	310	ND	39	ND	6.8	372.4
04/18/2002	A2378802	8021	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	22	372
07/15/2002	A2722903	8021	ND	ND	ND	ND	6	3.3	410	ND	4.3	ND	20	443.6
10/09/2002	A2A07510	8021	ND	ND	ND	ND	ND	ND	300	ND	18	ND	17	335
01/22/2003	A3068902	8021	ND	2.7	ND	ND	ND	4.8	140	ND	45	ND	ND	192.5
04/21/2003	A3370901	8021	ND	ND	ND	ND	12	2.1	320	ND	ND	ND	17	351.1
07/21/2003	A3699401	8021	ND	ND	ND	ND	ND	2	370	ND	2.7	ND	15	389.7
10/20/2003	A3A13901	8021	ND	ND	ND	ND	ND	ND	320	ND	3.8	ND	15	338.8
01/29/2004	A4077603	8021	ND	ND	ND	ND	ND	3	320	ND	74	ND	9.1	406.1
04/23/2004	A4373101	8021	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	28	428
07/21/2004	A4687101	8260	ND	ND	ND	ND	10	ND	340	ND	9.9	ND	ND	359.9
10/20/2004	A4A32301	8021	ND	ND	ND	ND	ND	ND	230	ND	7.1	ND	12	249.1
01/13/2005	A5036108	8260	ND	ND	ND	ND	ND	ND	360	ND	53	ND	5.9	418.9
04/19/2005	A5387405	8260	ND	ND	ND	ND	ND	ND	380	ND	32	ND	21	433
07/18/2005	A5753801	8260/5ML	ND	ND	ND	ND	ND	ND	360	ND	ND	ND	32	392
10/20/2005	A5B92001	8260	ND	ND	1.7	1.2	ND	1.8	380 E	ND	3	ND	61	448.7
10/20/2005	A5B92001DL	8260	ND	ND	ND	ND	9.2 BD	ND	370 D	ND	ND	ND	50 D	429.2
01/23/2006	A6084701	8260	ND	ND	ND	ND	ND	3	300	ND	96	ND	9.3	408.3
04/21/2006	6D21017-01	8260B	ND	ND	1	ND	ND	1	272 D	ND	9	ND	17	300
07/20/2006	6G21005-05	8260B	ND	ND	ND	ND	25	ND	309	ND	ND	ND	39	373
10/10/2006	6J11002-02RE1	8260B	ND	ND	1	ND	ND	2	243 D	ND	10	ND	28	284
01/08/2007	7A09003-01	8260B	ND	ND	ND	ND	ND	ND	238	ND	182	ND	ND	420
04/18/2007	7D19009-01	8260B	ND	ND	2	ND	ND	2	239 D	ND	41	ND	17	301
07/11/2007	7G12003-01	8260B	ND	ND	ND	ND	ND	ND	178	ND	8	ND	24	210
10/10/2007	7J11002-03	8260B	ND	ND	1	ND	ND	ND	272 D	ND	2	ND	34	309
01/08/2008	8A09005-04	8260B	ND	ND	ND	ND	ND	4	171	ND	71	ND	11	257
04/09/2008	8D10002-04	8260B	ND	ND	2	1	2	2	292 D	ND	21	ND	24	344
07/25/2008	5426028	8260B	ND	ND	1.1 J	ND	ND	0.87 J	270	ND	1.8 J	ND	58	331.77
10/17/2008	5502673	8260B	ND	ND	1.2 J	ND	ND	0.9 J	280	ND	1.5 J	ND	37	320.6
01/13/2009	5576509	8260B	ND	ND	2.2 J	0.96 J	ND	2.3 J	270	ND	53	ND	17	345.46
04/13/2009	5647710	8260B	ND	ND	1.4 J	ND	ND	1.6 J	260	ND	21	ND	11	295
07/14/2009	5723623	8260B	ND	ND	1.2 J	ND	ND	0.93 J	290	ND	2.8 J	ND	33	327.93
10/05/2009	5797962	8260B	ND	ND	1.1 J	ND	ND	0.93 J	260	ND	4.8 J	ND	29	295.83

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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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)
01/21/2010	5889953	8260B	ND	ND	2.4 J	0.87 J	ND	2.5 J	240	1.8 J	110	ND	9.7	367.27
04/19/2010	5957669	8260B	ND	ND	1.7 J	0.91 J	ND	1.3 J	280	ND	22	ND	28	333.91
07/13/2010	6031621	8260B	ND	ND	1.3 J	ND	ND	0.95 J	270	ND	8.2	ND	40	320.45

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052406	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/16/2001	A1345804	624	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	1.9
07/16/2001	A1674112	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2001	A1A23309	8021	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	15
01/22/2002	A2066009	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.6	ND	ND	4.7
04/17/2002	A2378402	8021	ND	ND	ND	ND	ND	ND	1.8	ND	5.9	ND	ND	7.7
07/12/2002	A2713902	8021	ND	ND	ND	ND	ND	ND	1.5	ND	4.7	ND	ND	6.2
10/09/2002	A2A07702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2003	A3060801	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	1.9	ND	ND	2.17
04/09/2003	A3329507	8021	ND	ND	ND	ND	ND	ND	1.2	ND	6.5	ND	ND	7.7
07/08/2003	A3649105	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.3	ND	ND	4.4
10/13/2003	A3991402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356801	8021	ND	ND	ND	ND	ND	ND	1.2	ND	3.7	ND	ND	4.9
07/13/2004	A4664001	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4	ND	ND	5.4
10/20/2004	A4A32402	8021	ND	ND	ND	ND	ND	ND	1.3	ND	4	ND	ND	5.3
01/12/2005	A5036204	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	4.1	ND	ND	4.89
04/06/2005	A5317804	8260	ND	ND	ND	ND	ND	ND	0.63 J	ND	3.4	ND	ND	4.03
07/12/2005	A5733203	8260/5ML	ND	ND	ND	ND	ND	ND	0.97 J	ND	3.5	ND	ND	4.47
10/05/2005	A5B10601	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
01/23/2006	A6084702	8260	ND	ND	ND	ND	ND	ND	1.6	ND	3.8	ND	ND	5.4
04/12/2006	6D13005-06	8260B	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
07/19/2006	6G20004-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2006	6J11002-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	2	ND	ND	3
01/08/2007	7A09003-02	8260B	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
04/04/2007	7D05011-02	8260B	ND	ND	ND	ND	3	ND	1	ND	3	ND	ND	7
07/11/2007	7G12003-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2007	7J11002-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-05	8260B	ND	ND	ND	ND	ND	ND	6	ND	12	ND	ND	18
04/07/2008	8D08002-05	8260B	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
07/28/2008	5426821	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/17/2008	5502674	8260B	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	4.3
01/13/2009	5576514	8260B	ND	ND	ND	ND	ND	ND	1.1 J	ND	4.2 J	ND	ND	5.3
04/13/2009	5647711	8260B	ND	ND	ND	ND	ND	ND	0.99 J	ND	3.2 J	ND	ND	4.19
07/15/2009	5724678	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/05/2009	5797963	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3
01/21/2010	5889950	8260B	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.6 J	ND	ND	3.55
04/06/2010	5946905	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	2.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/20/2010	6038212	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	3.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-25M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639714	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664208	8021	ND	ND	ND	ND	ND	ND	1.4	ND	1.3	ND	ND	2.7
07/12/2005	A5733105	8260/5ML	ND	ND	ND	ND	ND	ND	0.68 J	ND	1.3	ND	ND	1.98

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-26M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639715	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715202	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-03	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/18/2007	7G19011-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/24/2008	5424621	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723631	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031619	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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-28M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035102	8021	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	1.5
04/23/2001	A1375205	8021	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	0.66
07/18/2001	A1682909	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347902	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	0.25
07/10/2002	A2708304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2005	A5038302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317606	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2005	A5724501	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-06RE1	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
10/10/2006	6J11002-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/2007	7A12004-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420901	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499968	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576507	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651173	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722291	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799013	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893227	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-28M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/07/2010	5948415	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033916	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-29M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043901	8021	ND	ND	ND	ND	ND	ND	16	ND	0.29 J	ND	1.8	18.09
04/16/2001	A1345806	624	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	11
07/16/2001	A1674114	8021	ND	ND	ND	ND	ND	ND	21	ND	1 J	ND	1.1 J	23.1
10/18/2001	A1A23315	8021	ND	ND	ND	ND	ND	ND	26	ND	7.8	ND	1.8	35.6
01/21/2002	A2066006	8021	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	26
04/17/2002	A2378401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708316	8021	ND	ND	ND	ND	ND	ND	32	ND	0.88 J	ND	2.5	35.38
10/09/2002	A2A07701	8021	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	4.5	38.5
01/16/2003	A3055802	8021	ND	ND	ND	ND	ND	ND	9	ND	0.23 J	ND	0.77 J	10
04/21/2003	A3371001	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
07/16/2003	A3683701	8021	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	0.68 J	12.68
10/20/2003	A3A13701	8021	ND	ND	ND	ND	ND	ND	47	ND	1.5	ND	3.8	52.3
01/29/2004	A4077402	8021	ND	ND	ND	0.2 J	ND	ND	26	ND	1.8	ND	2.1	30.1
04/23/2004	A4373001	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/21/2004	A4687001	8260	ND	ND	ND	ND	ND	ND	15	ND	0.73 J	ND	ND	15.73
10/20/2004	A4A32401	8021	ND	ND	ND	ND	ND	ND	24	ND	1.4	ND	2.4	27.8
01/13/2005	A5036206	8260	ND	ND	ND	ND	ND	ND	22	ND	1.8	ND	2.1	25.9
04/19/2005	A5387502	8260	ND	ND	ND	ND	ND	ND	12	ND	1.1 J	ND	1.4 J	14.5
07/18/2005	A5753701	8260/5ML	ND	ND	ND	ND	ND	ND	36	ND	3.2	ND	3.1	42.3
07/20/2006	6G21005-08	8260B	ND	ND	ND	ND	3	ND	43	ND	8	ND	3	57
07/11/2007	7G12003-02	8260B	ND	ND	ND	ND	ND	ND	30	ND	6	ND	3	39
07/25/2008	5426025	8260B	ND	ND	ND	ND	ND	ND	19	ND	3 J	ND	1.8 J	23.8
07/14/2009	5723624	8260B	ND	ND	ND	ND	ND	ND	17	ND	1.7 J	ND	2.6 J	21.3
07/13/2010	6031620	8260B	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND	1 J	7.6

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-31M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041302	8021	ND	ND	ND	ND	ND	ND	4.6	ND	1 J	ND	ND	5.6
04/24/2001	A1375201	8021	ND	ND	ND	ND	ND	ND	5.5	ND	1.2	ND	ND	6.7
07/16/2001	A1674102	8021	ND	ND	ND	ND	ND	ND	7.1	ND	0.56 J	ND	0.57 J	8.23
10/10/2001	A1994706	8021	ND	ND	ND	ND	ND	ND	7.3	ND	ND	ND	0.48 J	7.78
01/17/2002	A2058501	8021	ND	ND	ND	ND	ND	0.2 J	13	ND	4	ND	ND	17.2
04/09/2002	A2332608	8260	ND	ND	ND	ND	ND	ND	4.8	ND	1.1 J	ND	ND	5.9
07/09/2002	A2695509	8021	ND	ND	ND	ND	ND	ND	7.3	ND	1.4	ND	ND	8.7
10/03/2002	A2980607	8021	ND	ND	ND	ND	ND	ND	10	ND	1.7	ND	0.29 J	11.99
01/14/2003	A3043004	8021	ND	0.78 J	ND	ND	ND	ND	6.5	ND	1.2	ND	ND	8.48
04/07/2003	A3320702	8021	ND	ND	ND	ND	ND	ND	10	ND	2.6	ND	ND	12.6
07/02/2003	A3639716	8021	ND	ND	ND	ND	ND	ND	7.7	ND	2.1	ND	ND	9.8
10/09/2003	A3978810	8021	ND	ND	ND	ND	ND	ND	13	ND	3.5	ND	ND	16.5
04/20/2004	A4356903	8021	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	2.9
07/14/2004	A4664203	8021	ND	ND	ND	ND	ND	ND	8.8	ND	3.8	ND	ND	12.6
10/25/2004	A4A54101	8021	ND	ND	ND	ND	ND	ND	13	ND	4.5	ND	ND	17.5
01/19/2005	A5050909	8260	ND	ND	ND	ND	ND	ND	5.3	ND	3.2	ND	ND	8.5
04/05/2005	A5317610	8260	ND	ND	ND	ND	ND	ND	2.4	ND	0.64 J	ND	ND	3.04
07/08/2005	A5715201	8260/5ML	ND	ND	ND	ND	ND	ND	6.6	ND	2.3	ND	ND	8.9
07/17/2006	6G18004-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/18/2007	7G19011-06	8260B	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/24/2008	5424622	8260B	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.1 J	ND	ND	4.2
07/14/2009	5723632	8260B	ND	ND	ND	ND	ND	ND	8.5	ND	4 J	ND	ND	12.5
07/13/2010	6031618	8260B	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-32M

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)
01/18/2001	A1052401	8021	ND	ND	0.29 J	0.23 J	ND	1.8	47	ND	0.67 J	ND	7.5	57.49
04/18/2001	A1361303	624	ND	ND	ND	ND	ND	0.48	10	ND	ND	ND	1.1	11.58
07/18/2001	A1682902	8021	ND	ND	ND	ND	ND	0.61 J	38	ND	ND	ND	9.3	47.91
10/19/2001	A1A28802	8021	ND	ND	ND	ND	ND	0.81 J	56	ND	0.6 J	ND	9.4	66.81
01/14/2002	A2039403	8021	ND	ND	ND	ND	0.54 J	0.56 J	28	ND	1.1 J	ND	3.9	34.1
04/08/2002	A2332603	8260	ND	ND	ND	ND	ND	0.71 J	57	ND	0.68 J	ND	4.8	63.19
04/16/2002	A2369801	8021	ND	ND	0.34 J	0.27 J	ND	ND	62 D	ND	1.6	ND	5.8	70.01
07/08/2002	A2695505	8021	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	2.8	34.8
10/09/2002	A2A07901	8021	ND	ND	ND	ND	ND	0.93 J	56	ND	ND	ND	9.7	66.63
01/13/2003	A3038005	8021	ND	ND	ND	ND	ND	ND	42	ND	1.9	ND	5.2	49.1
04/24/2003	A3389501	8021	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	4.9	60.9
07/16/2003	A3684101	8021	ND	ND	ND	ND	ND	0.74 J	42	ND	0.51 J	ND	2.8	46.05
10/21/2003	A3A22001	8021	ND	ND	ND	ND	ND	0.91 J	61	ND	ND	ND	8.6	70.51
01/07/2004	A4012304	8021	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	3.4	41.4
04/23/2004	A4372904	8021	ND	ND	ND	ND	ND	ND	36	ND	1.3	ND	2.8	40.1
07/20/2004	A4682903	8260	ND	ND	ND	ND	2.2 J	0.76 J	31	ND	0.83 J	ND	ND	34.79
07/20/2004	A4682903	8021	ND	ND	ND	ND	ND	ND	39 E	ND	ND	ND	2.5 E	41.5
10/20/2004	A4A32101	8021	ND	31	ND	ND	ND	0.52 J	ND	ND	0.67 J	ND	4.3	36.49
01/13/2005	A5036405	8260	ND	ND	0.81 J	0.61 J	ND	1.3	71 E	ND	17	ND	3.4	94.12
01/13/2005	A5036405DL	8260							69 D		16 D		2.8 D	87.8
04/19/2005	A5387302	8260	ND	ND	0.45 J	0.48 J	ND	0.4 J	42 E	ND	7.3	ND	3.9	54.53
04/19/2005	A5387302DL	8260	ND	ND	ND	ND	1.9 DJ	ND	34 D	ND	5.8 D	ND	3 D	44.7
07/19/2005	A5762201	8260/5ML	ND	ND	ND	ND	ND	1.1	39	ND	ND	ND	10	50.1
07/20/2006	6G21005-07	8260B	ND	ND	ND	ND	2	1	35	ND	ND	ND	7	45
07/10/2007	7G11015-08	8260B	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	5	33
07/25/2008	5426032	8260B	ND	ND	ND	ND	ND	1.4 J	31	ND	ND	ND	6.8	39.2
07/14/2009	5723630	8260B	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	10	31
07/13/2010	6031615	8260B	ND	ND	ND	ND	ND	0.82 J	26	ND	ND	ND	11	37.82

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-33M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-06	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/10/2007	7G11015-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426033	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723628	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031616	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-34M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708306	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-35M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-37M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/03/2003	A3639717	8021	ND	ND	ND	2.2	ND	13	1500 D	1.8	64000 D	ND	ND	65517
06/29/2004	A4614513	8021	ND	ND	ND	ND	ND	ND	3400	ND	24000	ND	ND	27400
07/08/2005	A5715207	8260/5ML	ND	ND	ND	1.7	ND	19	880 E	ND	1300 E	ND	ND	2200.7
07/08/2005	A5715207DL	8260/5ML	ND	ND	ND	ND	28 D	ND	1900 D	ND	4900 D	ND	ND	6828

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/19/2001	A1056801	8021	ND	ND	ND	ND	ND	ND	45	ND	0.4 J	ND	ND	45.4
04/24/2001	A1375202	8021	ND	ND	ND	ND	ND	ND	48	ND	2.5	ND	ND	50.5
07/18/2001	A1682907	8021	ND	ND	ND	ND	ND	0.26 J	44	ND	1.8	ND	ND	46.06
10/19/2001	A1A28801	8021	ND	ND	ND	ND	ND	ND	43	ND	4.9	ND	1.1 J	49
01/21/2002	A2066004	8021	ND	ND	ND	ND	ND	0.51 J	48	ND	3.2	ND	ND	51.71
04/16/2002	A2370103	8021	ND	ND	0.49 J	0.26 J	ND	0.96 J	81 D	ND	3.7	ND	3.4	89.81
07/11/2002	A2708313	8021	ND	ND	0.42 J	ND	ND	1.1	84	ND	5.1	ND	ND	90.62
10/08/2002	A2999309	8021	ND	1.6	ND	ND	ND	ND	52	ND	4.8	ND	ND	58.4
10/15/2002	A2A23604	8021	ND	ND	ND	ND	ND	ND	41	ND	4.6	ND	ND	45.6
01/16/2003	A3055801	8021	ND	ND	ND	ND	ND	0.54 J	80	ND	7.8	ND	1.4 J	89.74
04/08/2003	A3329506	8021	ND	ND	ND	ND	3.4	ND	51	ND	3.9	ND	1.1 J	59.4
07/08/2003	A3649102	8021	ND	ND	ND	ND	2 J	ND	71	ND	2.8	ND	ND	75.8
10/13/2003	A3991401	8021	ND	ND	ND	ND	ND	ND	94	ND	6.1	ND	ND	100.1
01/09/2004	A4026202	8021	ND	ND	ND	ND	ND	ND	100	ND	8	ND	ND	108
04/13/2004	A4331805	8021	ND	ND	ND	ND	ND	1.1	88	ND	12	ND	ND	101.1
07/06/2004	A4636505	8021	ND	ND	1.6	1.9	ND	1.9	110	ND	23	ND	2	140.4
10/26/2004	A4A60201	8021	ND	ND	1.2	0.57 J	ND	1.3	140 E	ND	21	ND	0.85 J	164.92
01/20/2005	A5057701	8260	ND	ND	0.82 J	ND	1.1 J	0.91 J	74	ND	19	ND	ND	95.83
04/05/2005	A5317801	8260	ND	ND	1	0.63 J	ND	1.6	90 E	ND	31	ND	1.8	126.03
04/05/2005	A5317801DL	8260	ND	ND	ND	ND	2.8 D	ND	73 D	ND	24 D	ND	ND	99.8
07/11/2005	A5724702	8260/5ML	ND	ND	0.81 J	0.71 J	ND	1.3	73	ND	24	ND	ND	99.82
10/21/2005	A5B92601	8260	ND	ND	0.84 J	0.74 J	ND	1	78	ND	27	ND	1.8	109.38
01/24/2006	A6089104	8260	ND	ND	1.2	0.72 J	ND	1.3	81	ND	25	ND	2	111.22
04/13/2006	6D14002-05	8260B	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260B	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260B	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260B	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260B	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260B	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260B	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57
01/09/2008	8A10002-04	8260B	ND	ND	ND	ND	ND	ND	63	ND	29	ND	3	95
04/08/2008	8D09003-01	8260B	ND	ND	ND	ND	2 B	ND	39	ND	12	ND	ND	53
07/25/2008	5426024	8260B	ND	ND	ND	ND	ND	0.88 J	48	ND	21	ND	ND	69.88
10/14/2008	5498683	8260B	ND	ND	ND	ND	ND	ND	46	ND	25	ND	ND	71
01/21/2009	5582432	8260B	ND	ND	ND	ND	ND	ND	54	ND	19	ND	1.4 J	74.4
04/20/2009	5651169	8260B	ND	ND	ND	ND	ND	1 J	64	ND	23	ND	2 J	90
07/13/2009	5722288	8260B	ND	ND	ND	ND	ND	ND	50	ND	20	ND	ND	70

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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-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799015	8260B	ND	ND	ND	ND	ND	ND	41	ND	17	ND	ND	58
01/21/2010	5889954	8260B	ND	ND	ND	ND	ND	0.99 J	59	ND	24	ND	ND	83.99
04/07/2010	5948418	8260B	ND	ND	ND	ND	ND	0.93 J	41	ND	19	ND	ND	60.93
07/15/2010	6033917	8260B	ND	ND	ND	ND	ND	1.1 J	51	ND	30	ND	ND	82.1

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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	8021	ND	ND	ND	ND	ND	ND	4.9 E	ND	8.4	ND	ND	13.3
07/16/2004	A4674301	8260	ND	ND	ND	ND	ND	ND	4	ND	10	ND	ND	14
10/12/2004	A4A09405	8021	ND	ND	ND	ND	ND	ND	4	ND	8.1	ND	ND	12.1
01/12/2005	A5036106	8260	ND	ND	ND	ND	ND	ND	1.9	ND	140 E	ND	ND	141.9
01/12/2005	A5036106DL	8260									94 D			94
04/26/2005	A5414401	8260	ND	ND	ND	ND	ND	ND	0.8 J	ND	4.3	ND	ND	5.1
07/26/2005	A5791601	8260/5ML	ND	ND	ND	ND	ND	ND	3.3	ND	8.5	ND	ND	11.8
10/21/2005	A5B92802	8260	ND	ND	ND	ND	ND	ND	2	ND	4.8	ND	ND	6.8
01/26/2006	A6102406	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/20/2006	6D21003-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
07/18/2006	6G19003-03	8260B	ND	ND	ND	ND	4 B	ND	7	ND	7	ND	ND	18
10/11/2006	6J12003-06RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
01/09/2007	7A10006-04	8260B	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/17/2007	7D18003-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	5	ND	ND	7
07/16/2007	7G17015-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
10/15/2007	7J16003-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-01	8260B	ND	ND	ND	ND	ND	ND	4	ND	14	ND	ND	18
04/15/2008	8D16011-02	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	3	ND	ND	8
07/24/2008	5424626	8260B	ND	ND	ND	ND	ND	ND	0.9 J	ND	4.1 J	ND	ND	5
10/16/2008	5501559	8260B	ND	ND	ND	ND	ND	ND	0.87 J	ND	3 J	ND	ND	3.87
01/21/2009	5582425	8260B	ND	ND	ND	ND	ND	ND	0.86 J	ND	2.5 J	ND	ND	3.36
04/16/2009	5649168	8260B	ND	ND	ND	ND	ND	ND	1.7 J	ND	4.1 J	ND	ND	5.8
07/07/2009	5718467	8260B	ND	ND	ND	ND	ND	ND	1.4 J	ND	3 J	ND	ND	4.4

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To address 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-39M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800391	8260B	ND	ND	ND	ND	ND	ND	1 J	ND	2 J	ND	ND	3
01/25/2010	5892341	8260B	ND	ND	ND	ND	ND	ND	2.4 J	ND	5.9	ND	ND	8.3
04/15/2010	5955535	8260B	ND	ND	ND	ND	ND	ND	1.7 J	ND	5.1	ND	ND	6.8
07/15/2010	6033921	8260B	ND	ND	ND	ND	ND	ND	1.9 J	ND	4.4 J	ND	ND	6.3

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035107	8021	ND	ND	ND	ND	ND	1.1	5.6	ND	ND	ND	1.5 J	8.2
04/19/2001	A1361306	624	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	0.97
07/10/2001	A1648710	8021	ND	ND	ND	ND	ND	0.26 J	3.2	ND	ND	ND	0.28 J	3.74
10/18/2001	A1A23311	8021	ND	ND	ND	ND	ND	ND	3.3	ND	41	ND	ND	44.3
01/22/2002	A2066012RE	8021	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	1.4 J	6.5
04/12/2002	A2351801	8021	ND	ND	ND	ND	ND	0.6 J	6	ND	ND	ND	0.87 J	7.47
07/12/2002	A2713907	8021	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
10/08/2002	A2999308	8021	ND	ND	ND	ND	ND	0.7 J	6.9	ND	0.58 J	ND	1 J	9.18
01/20/2003	A3060804	8021	ND	ND	ND	ND	ND	0.43 J	4.5	ND	0.29 J	ND	0.75 J	5.97
04/25/2003	A3389401	8021	ND	ND	ND	ND	ND	0.48 J	4.4	ND	ND	ND	0.58 J	5.46
07/17/2003	A3683703	8021	ND	ND	ND	ND	ND	0.38 J	3.8	ND	ND	ND	0.22 J	4.4
10/17/2003	A3A09004	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/20/2004	A4053202	8021	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	3.1
04/29/2004	A4402401	8021	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
07/16/2004	A4674201	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
07/16/2004	A4674201	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
10/12/2004	A4A09702	8021	ND	ND	ND	ND	ND	0.53 J	6.1	ND	ND	ND	ND	6.63
01/12/2005	A5036203	8260	ND	ND	ND	ND	ND	0.62 J	4.8	ND	0.38 J	ND	ND	5.8
04/26/2005	A5414301	8260	ND	ND	ND	ND	ND	0.6 J	4.3	ND	0.3 J	ND	ND	5.2
07/26/2005	A5791602	8260/5ML	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
10/21/2005	A5B92602	8260	ND	ND	ND	ND	ND	0.73 J	4.8	ND	0.91 J	ND	ND	6.44
01/27/2006	A6102501	8260	ND	ND	ND	ND	ND	0.64 J	5.4	ND	1.6	ND	ND	7.64
04/20/2006	6D21003-04	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
07/18/2006	6G19003-04	8260B	ND	ND	ND	ND	5 B	ND	4	ND	1	ND	ND	10
10/11/2006	6J12003-05	8260B	ND	ND	ND	ND	ND	ND	5	ND	2	ND	ND	7
01/05/2007	7A05012-04	8260B	ND	ND	ND	ND	3 B	ND	6	ND	3	ND	ND	12
04/17/2007	7D18003-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
07/16/2007	7G17015-10	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
10/15/2007	7J16003-02	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
01/09/2008	8A10002-06	8260B	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
04/15/2008	8D16011-03	8260B	ND	ND	ND	ND	4 B	ND	4	ND	3	ND	ND	11
07/23/2008	5423261	8260B	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.6 J	ND	ND	4.7
10/16/2008	5501558	8260B	ND	ND	ND	ND	ND	ND	6.1	ND	3.2 J	ND	ND	9.3
01/21/2009	5582426	8260B	ND	ND	ND	ND	ND	ND	5.9	ND	2.9 J	ND	ND	8.8
04/16/2009	5649167	8260B	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.5 J	ND	ND	6.4
07/07/2009	5718466	8260B	ND	ND	ND	ND	ND	ND	2.7 J	ND	1.7 J	ND	ND	4.4
10/07/2009	5800392	8260B	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.6 J	ND	ND	4.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892342	8260B	ND	ND	ND	ND	ND	ND	4.1 J	ND	2.6 J	ND	ND	6.7
04/15/2010	5955536	8260B	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.7 J	ND	ND	6.6
07/19/2010	6036148	8260B	ND	ND	ND	ND	ND	ND	3.7 J	ND	2.5 J	ND	ND	6.2

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-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	A1035108	8021	ND	ND	ND	ND	ND	1.3	3.1	ND	0.37 J	ND	ND	4.77
04/19/2001	A1361312	624	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	0.45
07/10/2001	A1648709	8021	ND	ND	ND	ND	ND	0.55 J	1.6	ND	0.38 J	ND	ND	2.53
10/18/2001	A1A23308	8021	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	100
01/23/2002	A2076802RI	8021	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	3.5
04/15/2002	A2370101	8021	ND	ND	ND	ND	ND	ND	1.8	ND	1 J	ND	ND	2.8
07/15/2002	A2723101	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.47 J	ND	ND	1.67
10/08/2002	A2999207	8021	ND	ND	ND	ND	ND	0.38 J	1.4	ND	0.84 J	ND	ND	2.62
01/21/2003	A3069004	8021	ND	ND	ND	ND	ND	0.44 J	1.5	ND	0.81 J	ND	ND	2.75
04/28/2003	A3399801	8021	ND	ND	ND	ND	ND	0.57 J	2.3	ND	ND	ND	ND	2.87
07/17/2003	A3683705	8021	ND	ND	ND	ND	ND	0.52 J	2.3	ND	0.65 J	ND	ND	3.47
10/17/2003	A3A09005	8021	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.7
01/21/2004	A4053204	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/30/2004	A4402402	8021	ND	ND	ND	ND	ND	1.2	3.1	ND	ND	ND	ND	4.3
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/18/2006	6G19003-02	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
10/12/2006	6J16007-01RE1	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2007	7A10006-07	8260B	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
04/17/2007	7D18003-03	8260B	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
07/16/2007	7G17015-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
10/15/2007	7J16003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2008	8A10002-05	8260B	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/16/2008	8D16026-01	8260B	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
07/16/2008	5417443	8260B	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/16/2008	5501557	8260B	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	4.6
01/21/2009	5582427	8260B	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	1.5 J	7.4
04/16/2009	5649169	8260B	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	1.4 J	8.2
07/07/2009	5718464	8260B	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND	ND	4.3
10/07/2009	5800393	8260B	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	3.3

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892343	8260B	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
04/15/2010	5955537	8260B	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	1.8 J	7.8
07/19/2010	6036149	8260B	ND	ND	ND	ND	ND	ND	4.1 J	ND	ND	ND	ND	4.1

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035114	8021	ND	ND	ND	ND	2.1 J	1.2	51	ND	23	ND	ND	77.3
04/20/2001	A1366404	624	ND	ND	ND	ND	ND	ND	39	ND	380 D	ND	ND	419
07/11/2001	A1648704	8021	ND	ND	0.27 J	ND	ND	1.4	45	ND	14	ND	9.4	70.07
10/17/2001	A1A23307	8021	ND	ND	ND	ND	ND	0.4 J	12	ND	3	ND	ND	15.4
11/12/2001	A1B23801	8021	ND	ND	ND	ND	ND	0.56 J	8	ND	4	ND	ND	12.56
01/24/2002	A2076710	8021	ND	ND	ND	ND	ND	0.5 J	8.2	ND	4.8	ND	0.44 J	13.94
04/18/2002	A2378803	8021	ND	ND	ND	ND	ND	0.43 J	4.2	ND	4.1	ND	ND	8.73
07/16/2002	A2722908	8021	ND	ND	ND	ND	ND	0.6 J	8.2	ND	3.9	ND	ND	12.7
10/11/2002	A2A14401	8021	ND	ND	ND	ND	ND	1.5	16	ND	6	ND	ND	23.5
01/23/2003	A3075204	8021	ND	ND	ND	ND	ND	ND	8.9	ND	12	ND	ND	20.9
04/23/2003	A3376302	8021	ND	ND	ND	ND	ND	1.2	12	ND	6.9	ND	0.67 J	20.77
07/22/2003	A3699405	8021	ND	ND	ND	ND	ND	1	15	ND	5.2	ND	ND	21.2
10/22/2003	A3A28303	8021	ND	ND	ND	ND	ND	2	28	ND	8.2	ND	1.4 J	39.6
01/21/2004	A4053402	8021	ND	ND	ND	ND	ND	ND	11	ND	6.9	ND	ND	17.9
04/28/2004	A4387603	8021	ND	ND	ND	ND	ND	1.1	10	ND	4.9	ND	ND	16
07/09/2004	A4647101	8021	ND	ND	ND	ND	ND	1	8.5	ND	4.3	ND	ND	13.8
10/08/2004	A4994202	8021	ND	ND	ND	ND	ND	ND	6.2	ND	3.5	ND	ND	9.7
01/18/2005	A5051101	8260	ND	ND	ND	ND	ND	0.34 J	2.6	ND	2.6	ND	ND	5.54
04/26/2005	A5414403	8260	ND	ND	ND	ND	ND	0.43 J	5.1	ND	3.6	ND	ND	9.13
07/26/2005	A5791701	8260/5ML	ND	ND	ND	ND	ND	1	8.2	ND	3.9	ND	ND	13.1
10/20/2005	A5B92005	8260	ND	ND	ND	ND	ND	1.5	13	ND	5.9	ND	2.2	22.6
01/24/2006	A6089108	8260	ND	ND	ND	ND	ND	ND	4.1	ND	2.9	ND	ND	7
04/19/2006	6D20002-05	8260B	ND	ND	ND	ND	ND	ND	6	ND	4	ND	ND	10
07/18/2006	6G19003-08	8260B	ND	ND	ND	ND	5 B	ND	7	ND	3	ND	ND	15
10/11/2006	6J12003-03	8260B	ND	ND	ND	ND	ND	1	10	ND	4	ND	ND	15
01/10/2007	7A11003-01	8260B	ND	ND	ND	ND	ND	ND	3	ND	2	ND	ND	5
04/16/2007	7D17002-01	8260B	ND	ND	ND	ND	ND	ND	5	ND	3	ND	ND	8
07/16/2007	7G17015-02	8260B	ND	ND	ND	ND	2	ND	3	ND	2	ND	ND	7
10/09/2007	7J10006-09	8260B	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-02	8260B	ND	ND	ND	ND	ND	ND	8	ND	4	ND	ND	12
04/14/2008	8D15002-01	8260B	ND	ND	ND	ND	2 B	ND	6	ND	3	ND	ND	11
07/23/2008	5423257	8260B	ND	ND	ND	ND	ND	0.81 J	6.8	ND	2.4 J	ND	ND	10.01
10/16/2008	5501561	8260B	ND	ND	ND	ND	ND	ND	16	ND	31	ND	ND	47
01/21/2009	5582431	8260B	ND	ND	ND	ND	ND	ND	6.8	ND	5 J	ND	ND	11.8
04/15/2009	5647725	8260B	ND	ND	ND	ND	ND	1.3 J	11	ND	3.7 J	ND	ND	16
07/07/2009	5718476	8260B	ND	ND	ND	ND	ND	0.98 J	7.8	ND	2.7 J	ND	ND	11.48
10/07/2009	5800382	8260B	ND	ND	ND	ND	ND	ND	6.8	ND	2.6 J	ND	ND	9.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888920	8260B	ND	ND	ND	ND	ND	0.81 J	8.3	ND	2.6 J	ND	ND	11.71
04/13/2010	5953085	8260B	ND	ND	ND	ND	ND	1.6 J	14	ND	3.7 J	ND	ND	19.3
07/14/2010	6032685	8260B	ND	ND	ND	ND	ND	1 J	9.1	ND	2.6 J	ND	ND	12.7

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035113	8021	ND	ND	1.4	ND	ND	ND	34	ND	4.5	ND	2.7	42.6
04/20/2001	A1366405	624	ND	ND	ND	ND	ND	ND	4.6	ND	2.9	ND	ND	7.5
07/11/2001	A1648701	8021	ND	ND	0.35 J	ND	ND	ND	2.1	ND	0.83 J	ND	0.3 J	3.58
11/12/2001	A1B23802	8021	ND	ND	ND	ND	ND	ND	14	ND	6.4	ND	0.37 J	20.77
01/21/2002	A2066007	8021	ND	ND	ND	ND	ND	0.61 J	13	ND	6.1	ND	ND	19.71
04/11/2002	A2348302	8021	ND	ND	ND	ND	ND	0.61 J	11	ND	6.3	ND	ND	17.91
07/11/2002	A2708317	8021	ND	ND	ND	ND	ND	ND	10	ND	5.4	ND	ND	15.4
10/08/2002	A2999303	8021	ND	ND	ND	ND	ND	0.38 J	6	ND	4.3	ND	0.29 J	10.97
01/16/2003	A3055804	8021	ND	ND	0.29 J	ND	ND	0.4 J	6.3	ND	3.4	ND	1.2 J	11.59
04/29/2003	A3398701	8021	ND	ND	ND	ND	ND	ND	3.8	ND	2.4	ND	0.34 J	6.54
07/17/2003	A3683706	8021	ND	ND	ND	ND	ND	ND	2.1	ND	1.1 J	ND	ND	3.2
10/16/2003	A3A09002	8021	ND	ND	ND	ND	ND	ND	3.7	ND	8.1	ND	ND	11.8
01/20/2004	A4053201	8021	ND	ND	ND	ND	ND	ND	10	ND	8.9	ND	ND	18.9
04/28/2004	A4387602	8021	ND	ND	ND	ND	ND	ND	2	ND	1.4	ND	ND	3.4
07/09/2004	A4647301	8021	ND	ND	ND	ND	ND	ND	4.3	ND	8.2	ND	ND	12.5
10/07/2004	A4994505	8021	ND	ND	ND	ND	ND	ND	7.4	ND	36	ND	ND	43.4
01/18/2005	A5051001	8260	ND	ND	ND	ND	ND	0.82 J	8.9	ND	5.5	ND	1.5 J	16.72
04/21/2005	A5402202	8260	ND	ND	ND	ND	ND	0.83 J	10	ND	40 E	ND	ND	50.83
04/21/2005	A5402202DL	8260	ND	ND	ND	ND	ND	0.69 DJ	8.6 D	ND	34 D	ND	ND	43.29
07/26/2005	A5791702	8260/5ML	ND	ND	ND	ND	ND	1.6	17	ND	79	ND	ND	97.6
10/20/2005	A5B91801	8260	ND	ND	ND	ND	ND	0.64 J	6	ND	6.8	ND	1.3 J	14.74
01/26/2006	A6102402	8260	ND	ND	ND	ND	ND	0.74 J	12	ND	4.6	ND	3.8	21.14
04/20/2006	6D21003-01	8260B	ND	ND	ND	ND	ND	ND	12	ND	3	ND	3	18
07/18/2006	6G19003-07	8260B	ND	ND	ND	ND	4 B	ND	8	ND	4	ND	ND	16
10/11/2006	6J12003-02	8260B	ND	ND	ND	ND	ND	1	12	ND	36	ND	ND	49
01/10/2007	7A11003-02	8260B	ND	ND	ND	ND	ND	ND	12	ND	5	ND	4	21
04/16/2007	7D17002-02	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	ND	11
07/16/2007	7G17015-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	3	14
10/10/2007	7J11002-07	8260B	ND	ND	ND	ND	ND	ND	8	ND	3	ND	2	13
01/14/2008	8A15002-03	8260B	ND	ND	ND	ND	ND	ND	9	ND	2	ND	2	13
04/14/2008	8D15002-02	8260B	ND	ND	ND	ND	3 B	ND	5	ND	ND	ND	ND	8
07/23/2008	5423258	8260B	ND	ND	ND	ND	ND	ND	8.5	ND	2.3 J	ND	2.6 J	13.4
10/16/2008	5501560	8260B	ND	ND	ND	ND	ND	ND	10	ND	2.8 J	ND	3.1 J	15.9
01/15/2009	5578617	8260B	ND	ND	ND	ND	ND	ND	9.1	ND	5.3	ND	2.5 J	16.9
04/15/2009	5647721	8260B	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	2.2 J	9.4
07/07/2009	5718475	8260B	ND	ND	ND	ND	ND	ND	8.4	ND	2 J	ND	2.6 J	13
10/07/2009	5800384	8260B	ND	ND	ND	ND	ND	ND	7.7	ND	2.7 J	ND	2.1 J	12.5

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888917	8260B	ND	ND	ND	ND	ND	ND	6	ND	1.7 J	ND	1.5 J	9.2
04/13/2010	5953084	8260B	ND	ND	ND	ND	ND	ND	5.9	ND	2.6 J	ND	ND	8.5
07/14/2010	6032683	8260B	ND	ND	ND	ND	ND	ND	9.9	ND	2.8 J	ND	3 J	15.7

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041307	8021	ND	ND	7.6	1.2	ND	1.1	38	1.9	8	ND	15	72.8
04/25/2001	A1382101	8021	ND	ND	6	ND	ND	0.25 J	33	0.4 J	4.3	ND	7.7	51.65
07/11/2001	A1648703	8021	ND	ND	4.5	ND	ND	ND	23	ND	3	ND	2.4	32.9
11/12/2001	A1B23803	8021	ND	ND	6.1	ND	ND	ND	33	ND	27	ND	4.5	70.6
01/22/2002	A2066013	8021	ND	ND	ND	ND	14	ND	22	ND	ND	ND	ND	36
04/12/2002	A2351802	8021	ND	ND	7.6	ND	ND	ND	33	ND	5.9	ND	5.6	52.1
07/15/2002	A2723103	8021	ND	ND	7.8	ND	ND	ND	28	ND	5.5	ND	4.4	45.7
10/09/2002	A2A07501	8021	ND	ND	9.2	ND	ND	ND	49	0.76 J	10	ND	15	83.96
01/21/2003	A3069001	8021	ND	0.54 J	7.4	ND	ND	ND	25	ND	5.5	ND	4.9	43.34
04/29/2003	A3398702	8021	ND	ND	11	ND	ND	ND	44	0.79 J	10	ND	27	92.79
07/17/2003	A3683704	8021	ND	ND	8.3	ND	ND	ND	36	0.45 J	4.8	ND	13	62.55
10/17/2003	A3A09003	8021	ND	ND	8.4	ND	ND	ND	26	ND	1.6	ND	20	56
01/20/2004	A4053203	8021	ND	ND	9.1	ND	ND	ND	15	ND	1.9	ND	9.7	35.7
04/28/2004	A4387601	8021	ND	ND	8.5	ND	ND	ND	27	ND	3.2	ND	23	61.7
07/09/2004	A4647302	8021	ND	ND	8	ND	ND	ND	15	ND	1.6	ND	19	43.6
10/07/2004	A4994504	8021	ND	ND	6.3	ND	ND	ND	5	ND	2.4	ND	5.6	19.3
01/18/2005	A5051002	8260	ND	ND	8.1	ND	ND	0.34 J	9.1	0.25 J	2.4	ND	4.9	25.09
04/21/2005	A5402201	8260	ND	ND	7.3	ND	ND	0.47 J	21	0.49 J	5.8	ND	15	50.06
07/22/2005	A5778502	8260/5ML	ND	ND	5.9	ND	ND	ND	14	ND	3.6	ND	5.5	29
10/21/2005	A5B92604	8260	ND	ND	8.7	ND	ND	ND	9.1	ND	3.7	ND	6.6	28.1
01/26/2006	A6102403	8260	ND	ND	9.1	ND	ND	0.63 J	16	0.65 J	8.1	ND	16	50.48
04/20/2006	6D21003-02	8260B	ND	ND	7	ND	ND	ND	7	ND	2	ND	8	24
07/18/2006	6G19003-06	8260B	ND	ND	7	ND	11 B	ND	8	ND	3	ND	5	34
10/11/2006	6J12003-04	8260B	ND	ND	8	ND	ND	ND	12	ND	6	ND	9	35
01/10/2007	7A11003-03	8260B	ND	ND	6	ND	ND	ND	5	ND	10	ND	6	27
04/17/2007	7D18003-04	8260B	ND	ND	5	ND	ND	ND	1	ND	ND	ND	3	9
07/16/2007	7G17015-04	8260B	ND	ND	7	ND	ND	ND	8	ND	5	ND	7	27
10/10/2007	7J11002-08	8260B	ND	ND	6	ND	ND	ND	7	ND	4	ND	4	21
01/14/2008	8A15002-04	8260B	ND	ND	7	ND	ND	ND	9	ND	5	ND	6	27
04/15/2008	8D16011-01	8260B	ND	ND	5	ND	4 B	ND	4	ND	2	ND	4	19
07/28/2008	5426819	8260B	ND	ND	7.7	ND	ND	ND	8.1	ND	5.2	ND	7.2	28.2
10/16/2008	5501564	8260B	ND	ND	9.6	ND	ND	ND	11	ND	6.7	ND	7.5	34.8
01/15/2009	5578616	8260B	ND	ND	8.3	ND	ND	ND	8.9	ND	7.4	ND	6.3	30.9
04/15/2009	5647726	8260B	ND	ND	7	ND	ND	ND	5.8	ND	4.4 J	ND	5 J	22.2
07/07/2009	5718477	8260B	ND	ND	8.6	ND	ND	ND	9.5	ND	5.7	ND	6.9	30.7
10/07/2009	5800386	8260B	ND	ND	9	ND	ND	ND	9.3	ND	5.7	ND	9.1	33.1
01/20/2010	5888916	8260B	ND	ND	10	ND	ND	ND	11	ND	6.8	ND	7.3	35.1

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)
04/12/2010	5951991	8260B	ND	ND	7	ND	ND	ND	5.7	ND	3.4 J	ND	6	22.1
07/14/2010	6032684	8260B	ND	ND	9.3	ND	ND	ND	10	ND	5.6	ND	6.9	31.8

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-45M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)
01/18/2001	A1052404	8021	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
04/18/2001	A1361301	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2001	A1682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039404	8021	ND	ND	ND	ND	ND	0.72 J	7.3	ND	0.66 J	ND	0.24 J	8.92
04/08/2002	A2332604	8260	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
07/08/2002	A2695504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980606	8021	ND	ND	ND	ND	ND	ND	0.21 J	ND	0.67 J	ND	ND	0.88
01/13/2003	A3038007	8021	ND	ND	ND	ND	ND	ND	1.6	ND	0.67 J	ND	ND	2.27
04/08/2003	A3329702	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/03/2003	A3639718	8021	ND	ND	ND	ND	ND	ND	8.8	ND	66 E	ND	ND	74.8
07/03/2003	A3639718RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47804	8021	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
01/13/2005	A5036406	8260	ND	ND	ND	ND	ND	ND	0.86 J	ND	0.7 J	ND	ND	1.56
04/05/2005	A5317608	8260	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	0.35
07/12/2005	A5733103	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-02	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/10/2007	7G11015-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426026	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	1.3
07/14/2009	5723627	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031613	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-46M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052405	8021	ND	0.62 J	ND	ND	1.4 J	2.3	54	ND	2.8	ND	3.2	64.32
04/18/2001	A1361304	624	ND	ND	ND	ND	ND	ND	5.8	ND	0.26	ND	ND	6.06
07/18/2001	A1682905	8021	ND	ND	ND	ND	ND	0.32 J	29	ND	1.7	ND	0.61 J	31.63
10/12/2001	A1A01004	8021	ND	ND	ND	ND	ND	0.46 J	41	ND	1.1 J	ND	2.3	44.86
01/15/2002	A2039405	8021	ND	ND	ND	ND	ND	0.46 J	31	ND	1.3	ND	1.7 J	34.46
04/09/2002	A2332611	8260	ND	ND	0.28 J	0.23 J	ND	0.88 J	62 D	ND	2.7	ND	1.8	67.89
07/09/2002	A2695508	8021	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	52
10/03/2002	A2980608	8021	ND	ND	ND	ND	ND	ND	120	ND	6.6	ND	3.3	129.9
01/14/2003	A3043003	8021	ND	ND	ND	ND	ND	1.1	58	ND	3.4	ND	2.9	65.4
04/08/2003	A3329705	8021	ND	ND	ND	ND	ND	ND	12	ND	0.44 J	ND	0.52 J	12.96
07/02/2003	A3639701	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	1.4 J	37.4
10/09/2003	A3978812	8021	ND	ND	ND	ND	ND	ND	150	ND	5.1	ND	3.8	158.9
01/08/2004	A4026306	8021	ND	ND	ND	ND	ND	ND	23	ND	1.5	ND	1.1 J	25.6
04/13/2004	A4331506	8021	ND	ND	ND	ND	ND	ND	82	ND	6.9	ND	2.5	91.4
06/30/2004	A4619405	8021	ND	ND	1.3	ND	ND	2.6	120	ND	8.7	ND	6.4	139
10/22/2004	A4A47805	8021	ND	ND	0.67 J	ND	ND	1.7	130 D	ND	9.2	ND	4.1	147.37
01/13/2005	A5036407	8260	ND	ND	ND	ND	ND	1.8	100	ND	11	ND	5.4	118.2
04/05/2005	A5317609	8260	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	1.8
07/12/2005	A5733104	8260/5ML	ND	ND	0.57 J	ND	ND	1.6	82	ND	8.2	ND	5.6	97.97
07/20/2006	6G21005-01	8260B	ND	ND	ND	ND	3	1	59	ND	7	ND	4	74
07/10/2007	7G11015-11RE1	8260B	ND	ND	ND	ND	ND	ND	33	ND	5	ND	2	40
07/25/2008	5426034	8260B	ND	ND	ND	ND	ND	ND	18	ND	1.2 J	ND	2.7 J	21.9
07/14/2009	5723629	8260B	ND	ND	ND	ND	ND	ND	28	ND	4.3 J	ND	3.2 J	35.5
07/13/2010	6031617	8260B	ND	ND	ND	ND	ND	ND	29	ND	7.7	ND	2.7 J	39.4

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-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-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	A1041306	8021	ND	ND	ND	ND	ND	5.8	77	ND	31	ND	18	131.8
04/25/2001	A1382104	8021	ND	ND	ND	ND	ND	ND	10	ND	37	ND	ND	47
07/11/2001	A1648712	8021	ND	0.84 J	ND	ND	1.2 J	2.6	90	ND	9.6	ND	25	129.24
10/17/2001	A1A23302	8021	ND	ND	ND	ND	3.1	ND	13	ND	170	ND	ND	186.1
01/24/2002	A2076709	8021	ND	ND	ND	ND	ND	0.63 J	9.7	ND	15	ND	ND	25.33
04/15/2002	A2370204	8021	ND	ND	ND	ND	ND	0.46 J	7.8	ND	22	ND	ND	30.26
07/16/2002	A2722917	8021	ND	ND	ND	ND	ND	0.53 J	8.2	ND	25	ND	ND	33.73
10/09/2002	A2A07505	8021	ND	ND	ND	ND	ND	ND	8.2	ND	17	ND	ND	25.2
01/23/2003	A3075203	8021	ND	ND	ND	ND	ND	ND	7.9	ND	15	ND	ND	22.9
04/28/2003	A3399701	8021	ND	ND	ND	ND	ND	1	16	ND	20	ND	0.55 J	37.55
07/18/2003	A3689002	8021	ND	ND	ND	ND	ND	0.67 J	12	ND	13	ND	ND	25.67
10/22/2003	A3A28304	8021	ND	ND	ND	ND	ND	ND	10	ND	13	ND	ND	23
01/22/2004	A4057103	8021	ND	ND	ND	ND	ND	ND	3	ND	6.5	ND	ND	9.5
04/27/2004	A4387502	8021	ND	ND	ND	ND	ND	ND	3.2	ND	8.5	ND	ND	11.7
07/13/2004	A4663802	8021	ND	ND	ND	ND	ND	ND	2.6	ND	6.7	ND	ND	9.3
10/13/2004	A4A09401	8021	ND	ND	ND	ND	ND	ND	4.1	ND	6.6	ND	ND	10.7
01/12/2005	A5036102	8260	ND	ND	ND	ND	ND	ND	1.4	ND	5	ND	ND	6.4
04/21/2005	A5402002	8260	ND	ND	ND	ND	ND	ND	1	ND	4.6	ND	ND	5.6
07/21/2005	A5768402	8260/5ML	ND	ND	ND	ND	ND	ND	1.6	ND	5.6	ND	ND	7.2
10/20/2005	A5B92002	8260	ND	ND	ND	ND	ND	ND	2.3	ND	6.1	ND	ND	8.4
01/24/2006	A6089114	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	2.2	ND	ND	2.99
04/18/2006	6D19002-01	8260B	ND	ND	ND	ND	2	ND	ND	ND	3	ND	ND	5
07/21/2006	6G21018-01	8260B	ND	ND	ND	ND	ND	ND	2	ND	4	ND	ND	6
10/12/2006	6J16007-03RE1	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
01/05/2007	7A05012-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
04/11/2007	7D12002-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/12/2007	7G13019-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
10/11/2007	7J12012-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/24/2008	5424628	8260B	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.9 J	ND	ND	3.85
10/15/2008	5499971	8260B	ND	ND	ND	ND	ND	ND	1.4 J	ND	2.9 J	ND	ND	4.3
01/14/2009	5577591	8260B	ND	ND	ND	ND	ND	ND	1.3 J	ND	2.7 J	ND	ND	4
04/14/2009	5646767	8260B	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/09/2009	5720681	8260B	ND	ND	ND	ND	ND	ND	1.1 J	ND	2.4 J	ND	ND	3.5
10/05/2009	5797960	8260B	ND	ND	ND	ND	ND	ND	0.91 J	ND	2.3 J	ND	ND	3.21
01/21/2010	5889955	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954142	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7
07/14/2010	6032690	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (ug/L)	Tetrachloro-ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041305	8021	ND	ND	ND	ND	ND	ND	2.2	ND	0.55 J	ND	ND	2.75
04/25/2001	A1382103	8021	ND	ND	ND	ND	ND	ND	0.72 J	ND	2.3	ND	ND	3.02
07/11/2001	A1648717	8021	ND	ND	ND	ND	ND	ND	0.74 J	ND	1.8	ND	ND	2.54
10/17/2001	A1A23301	8021	ND	ND	ND	ND	ND	ND	2.2	ND	120	ND	ND	122.2
01/24/2002	A2076706	8021	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	3.2
04/15/2002	A2370201	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	ND	ND	0.45
07/15/2002	A2722904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2002	A2A07504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2003	A3068903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2003	A3376303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2003	A3689001	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	0.31
10/22/2003	A3A21904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2004	A4057102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/2004	A4387503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4663803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2004	A4A09402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/2005	A5036103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2005	A5402003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2005	A5768403	8260/5ML	ND	ND	ND	ND	ND	ND	0.51 J	ND	2.6	ND	ND	3.11
10/20/2005	A5B92003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089115	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2006	6D19002-02	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/21/2006	6G21018-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2006	6J16007-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/05/2007	7A05012-02	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
04/11/2007	7D12002-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-05	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417445	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499972	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2009	5577588	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2009	5646768	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720679	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797959	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889957	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954141	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2010	6032691	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-50M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043903	8021	ND	ND	ND	ND	ND	ND	1.7	ND	5.8	ND	ND	7.5
04/17/2001	A1345703	624	ND	ND	ND	ND	ND	ND	ND	ND	8.6	ND	ND	8.6
07/13/2001	A1663810	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	6	ND	ND	6.32
10/10/2001	A1994704	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	6.1	ND	ND	6.48
01/22/2002	A2066011RE	8021	ND	ND	ND	ND	ND	ND	2.2	ND	10	ND	ND	12.2
04/11/2002	A2348303	8021	ND	ND	ND	ND	ND	ND	4.7	ND	16	ND	ND	20.7
07/12/2002	A2713908	8021	ND	ND	ND	ND	ND	ND	7.2	ND	19	ND	ND	26.2
10/08/2002	A2999310	8021	ND	ND	ND	ND	ND	0.26 J	6	ND	10	ND	ND	16.26
01/20/2003	A3060802	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
04/29/2003	A3398703	8021	ND	ND	ND	ND	ND	ND	2.4	ND	18	ND	ND	20.4
07/16/2003	A3683702	8021	ND	ND	ND	ND	ND	0.2 J	3.6	ND	14	ND	ND	17.8
10/16/2003	A3A09001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2004	A4373002	8021	ND	ND	ND	ND	ND	ND	23	ND	28	ND	ND	51
07/20/2004	A4682801	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
07/20/2004	A4682801	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
10/22/2004	A4A48002	8021	ND	ND	ND	ND	ND	0.87 J	23	ND	32	ND	0.59 J	56.46
01/17/2005	A5044301	8260	ND	ND	ND	ND	ND	0.67 J	12	ND	27	ND	ND	39.67
04/19/2005	A5387501	8260	ND	ND	ND	ND	ND	1.1	16	ND	56 E	ND	ND	73.1
04/19/2005	A5387501DL	8260	ND	ND	ND	ND	ND	1.1 D	15 D	ND	55 D	ND	ND	71.1
07/22/2005	A5778501	8260/5ML	ND	ND	ND	ND	ND	1.2	15	ND	51	ND	ND	67.2
07/18/2006	6G19003-11RE1	8260B	ND	ND	ND	ND	ND	ND	14	ND	44	ND	ND	58
07/12/2007	7G13019-01	8260B	ND	ND	ND	ND	ND	ND	19	ND	69	ND	ND	88
07/22/2008	5422168	8260B	ND	ND	ND	ND	ND	1.6 J	25	ND	91	ND	ND	117.6
07/09/2009	5720686	8260B	ND	ND	ND	ND	ND	ND	9.2	ND	51	ND	ND	60.2
07/20/2010	6038215	8260B	ND	ND	ND	ND	ND	0.9 J	10	ND	49	ND	ND	59.9

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-51M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345701	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663815	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332610	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2004	A4356905	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2006	6G19003-12	8260B	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
07/11/2007	7G12003-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422169	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720688	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-52M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)
01/18/2001	A1052402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345706	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2001	A1A17407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2002	A2369802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2002	A2A14501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036408	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317601	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422160	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720691	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038217	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-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)
01/18/2001	A1052403	8021	ND	ND	ND	ND	ND	ND	0.44 J	ND	4.6	ND	ND	5.04
04/17/2001	A1345705	624	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	5.8
07/16/2001	A1674105	8021	ND	ND	ND	ND	ND	ND	0.2 J	ND	3.8	ND	ND	4
10/16/2001	A1A17408	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	7.1	ND	ND	7.42
01/22/2002	A2066010	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
04/17/2002	A2378403	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4.2	ND	ND	5.6
07/12/2002	A2713905	8021	ND	ND	ND	ND	ND	ND	1.6	ND	5.1	ND	ND	6.7
10/11/2002	A2A14601	8021	ND	ND	ND	ND	ND	ND	1.6	ND	12	ND	ND	13.6
01/20/2003	A3060803	8021	ND	ND	ND	ND	ND	ND	1.4	ND	7.4	ND	ND	8.8
04/09/2003	A3329508	8021	ND	ND	ND	ND	ND	ND	1.6	ND	11	ND	ND	12.6
07/08/2003	A3649107	8021	ND	ND	ND	ND	ND	ND	0.6 J	ND	8	ND	ND	8.6
10/13/2003	A3991404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	7.6	ND	ND	8.8
04/13/2004	A4331801	8021	ND	ND	ND	ND	ND	ND	2.6	ND	4.9	ND	ND	7.5
07/07/2004	A4636501	8021	ND	ND	ND	ND	ND	ND	2.5	ND	4.6	ND	ND	7.1
10/22/2004	A4A48003	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
01/13/2005	A5036205	8260	ND	ND	ND	ND	ND	ND	2.1	ND	3.5	ND	1 J	6.6
04/06/2005	A5317805	8260	ND	ND	ND	ND	ND	ND	1.8	ND	2.1	ND	ND	3.9
07/07/2005	A5706901	8260/5ML	ND	ND	ND	ND	ND	ND	1.9	ND	1.8	ND	ND	3.7
07/19/2006	6G20004-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/12/2007	7G13019-03	8260B	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/22/2008	5422161	8260B	ND	ND	ND	ND	ND	ND	6.9	ND	26	ND	ND	32.9
07/09/2009	5720692	8260B	ND	ND	ND	ND	ND	ND	2.9 J	ND	9.4	ND	ND	12.3
07/20/2010	6038218	8260B	ND	ND	ND	ND	ND	ND	1.7 J	ND	13	ND	ND	14.7

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-54M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361305	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994708	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2002	A2332605	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983805	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47802	8021	ND	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	0.58
01/17/2005	A5043901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317602	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422162	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720689	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040538	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-55M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361302	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695512	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983804	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619403	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317603	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-09	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422163	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720690	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040537	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052409	8021	ND	1	0.48 J	ND	0.56 J	2.7	71	ND	28	ND	2.4	106.14
04/16/2001	A1345803	624	ND	ND	ND	ND	ND	ND	18	ND	27	ND	ND	45
07/16/2001	A1674111	8021	ND	2.1	0.51 J	ND	1 J	2	95	ND	46	ND	ND	146.61
10/11/2001	A1994710	8021	ND	ND	ND	ND	ND	0.74 J	43	ND	31 D	ND	ND	74.74
01/24/2002	A2076708	8021	ND	2.3	ND	ND	2.5	ND	63	ND	280	ND	ND	347.8
04/15/2002	A2370203	8021	ND	ND	ND	ND	ND	ND	9.8	ND	44	ND	ND	53.8
07/16/2002	A2722905	8021	ND	ND	ND	ND	3	ND	16	ND	74	ND	ND	93
10/09/2002	A2A07502	8021	ND	ND	ND	ND	ND	ND	9.5	ND	39	ND	ND	48.5
01/23/2003	A3075202	8021	ND	ND	ND	ND	ND	ND	86	6.6	150	ND	ND	242.6
04/15/2003	A3356603	8021	ND	ND	ND	ND	86	1.4	29	1	80	ND	ND	197.4
07/21/2003	A3699403	8021	ND	ND	ND	ND	ND	ND	29	ND	71	ND	ND	100
10/21/2003	A3A21901	8021	ND	ND	ND	ND	2.3 J	ND	48	ND	110	ND	ND	160.3
01/28/2004	A4077601	8021	ND	ND	ND	ND	ND	1.7	52	ND	200	ND	ND	253.7
04/21/2004	A4356601	8021	ND	ND	ND	ND	1.8 J	ND	16	ND	68	ND	ND	85.8
07/21/2004	A4687102	8260	ND	ND	ND	ND	5.1	ND	19	ND	110	ND	ND	134.1
10/20/2004	A4A32302	8021	ND	ND	ND	ND	ND	ND	16	ND	84	ND	ND	100
01/13/2005	A5036107	8260	ND	ND	ND	ND	ND	1.1	22	0.64 J	160 E	ND	ND	183.74
01/13/2005	A5036107DL	8260							17 D		110 D			127
04/22/2005	A5402001	8260	ND	ND	ND	ND	ND	0.7 J	9.9	ND	63	ND	ND	73.6
07/19/2005	A5762301	8260/5ML	ND	ND	ND	ND	ND	0.95 J	14	ND	78	ND	ND	92.95
10/20/2005	A5B91901	8260	ND	ND	ND	ND	ND	1.5	20	0.56 J	100 E	ND	0.63 J	122.69
10/20/2005	A5B91901DL	8260	ND	ND	ND	ND	3 BD	ND	19 D	ND	82 D	ND	ND	104
01/23/2006	A6084703	8260	ND	ND	ND	ND	ND	1	17	ND	100 E	ND	ND	118
01/23/2006	A6084703DL	8260	ND	3.4 D	ND	ND	1.2 DJ	0.97 DJ	16 D	ND	94 D	ND	ND	115.57
04/12/2006	6D13005-07	8260B	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260B	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260B	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260B	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260B	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260B	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260B	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35
01/08/2008	8A09005-07	8260B	ND	ND	1	ND	4	ND	23	2	60	ND	ND	90
04/07/2008	8D08002-04	8260B	ND	ND	ND	ND	ND	ND	6	ND	20	ND	ND	26
07/28/2008	5426818	8260B	ND	ND	ND	ND	ND	ND	6.9	ND	19	ND	ND	25.9
10/17/2008	5502675	8260B	ND	ND	2 J	ND	ND	1.4 J	41	2 J	110	ND	1.2 J	157.6
01/13/2009	5576512	8260B	ND	ND	1 J	ND	ND	ND	23	1.3 J	73	ND	ND	98.3
04/13/2009	5647712	8260B	ND	ND	ND	ND	ND	ND	17	ND	64	ND	ND	81

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- 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)
07/15/2009	5724675	8260B	ND	ND	ND	ND	ND	0.87 J	21	ND	82	ND	ND	103.87
10/05/2009	5797969	8260B	ND	ND	ND	ND	ND	ND	17	ND	72	ND	ND	89
01/21/2010	5889952	8260B	ND	ND	ND	ND	ND	ND	5.3	ND	32	ND	ND	37.3
04/06/2010	5946902	8260B	ND	ND	ND	ND	ND	ND	16	ND	97	ND	ND	113
07/20/2010	6038213	8260B	ND	ND	ND	ND	ND	1.1 J	25	0.91 J	150	ND	ND	177.01

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-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)
01/18/2001	A1052407	8021	ND	ND	ND	ND	ND	ND	3.2	ND	1.5	ND	ND	4.7
04/16/2001	A1345802	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347903	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978811	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664210	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036403	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317604	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5733101	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2005	A5B10501	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2006	A6084704	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2006	6D13005-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2007	7A09003-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2007	7J11002-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-03	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/28/2008	5426820	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2008	5502678	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576515	8260B	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	1.6
04/13/2009	5647716	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724674	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797968	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889951	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946908	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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)
07/20/2010	6038208	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
07/15/2009	5724673	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038214	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-59M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732710	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
08/05/2002	A2793604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2004	A4A20702	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	ND	ND	0.79
01/19/2005	A5050901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/25/2005	A5408101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762204	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-14RE1	8260B	ND	ND	ND	ND	4	ND	3	ND	3	ND	ND	10
07/17/2007	7G18027-09	8260B	ND	ND	ND	ND	ND	1	4	ND	3	ND	ND	8
07/21/2008	5420892	8260B	ND	ND	ND	ND	ND	0.8 J	1.1 J	ND	ND	ND	ND	1.9
07/08/2009	5719627	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036152	8260B	ND	ND	ND	ND	ND	2.2 J	6.9	ND	ND	ND	3 J	12.1

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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.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732708	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
08/05/2002	A2793610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420895	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719625	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036153	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-61M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732705	8021	ND	5	ND	ND	ND	ND	4.8	ND	26	ND	ND	35.8
08/05/2002	A2793611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980612	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670603	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050903	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/25/2005	A5408102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762206	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-11	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-07	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420896	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719626	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036154	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-62M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732712	8021	ND	ND	ND	ND	ND	ND	2.2	ND	7.4	ND	ND	9.6
08/05/2002	A2793609	8021	ND	ND	ND	ND	ND	ND	0.86 J	ND	3.1	ND	ND	3.96
10/04/2002	A2986403	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	1.2
01/17/2003	A3056009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978808	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307806	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725406	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-03	8260B	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/17/2007	7G18027-03	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418423	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719616	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040536	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-63M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2003	A3038006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32106	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307805	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725405	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-13	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-08	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418424	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719620	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040535	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-64M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732711	8021	ND	17	ND	ND	ND	ND	ND	ND	8.7	ND	ND	25.7
08/05/2002	A2793606	8021	ND	9.4	ND	ND	ND	ND	3.7	ND	6.8	ND	ND	19.9
10/07/2002	A2999204	8021	ND	0.9 J	ND	ND	ND	ND	0.3 J	ND	0.96 J	ND	ND	2.16
01/15/2003	A3043011	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978805	8021	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
01/07/2004	A4012307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050905	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/04/2005	A5307804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725404	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-04	8260B	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
07/17/2007	7G18027-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418425	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719619	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040531	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-65M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732713	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.6
08/05/2002	A2793607	8021	ND	0.24 J	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	0.73
10/07/2002	A2999203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043010	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050906	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	0.53
04/04/2005	A5307803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-05	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-02	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418426	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719618	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040539	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-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732706	8021	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	5.2
08/05/2002	A2793608	8021	ND	0.35 J	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.95
10/07/2002	A2999202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043005	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	0.24 J	ND	ND	0.62
04/07/2003	A3320701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012311	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050907	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725402	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-01	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-05	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418427	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719614	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036147	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-67M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050908	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	0.35
04/04/2005	A5307801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-02	8260B	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418428	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719615	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036146	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: 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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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041303	8021	ND	ND	ND	ND	ND	ND	74	ND	340	ND	ND	414
04/20/2001	A1366406	624	ND	ND	ND	ND	ND	ND	35	ND	320 D	ND	ND	355
07/13/2001	A1663813	8021	ND	ND	ND	ND	3.9	ND	39	ND	230	ND	ND	272.9
09/06/2001	A1858801	8021	ND	ND	ND	ND	110	ND	500	ND	4800	ND	ND	5410
10/15/2001	A1A17406	8021	ND	ND	ND	ND	58	ND	150	ND	3900	ND	ND	4108
01/24/2002	A2076711	8021	ND	ND	ND	ND	310	ND	740	560	8000	ND	ND	9610
04/19/2002	A2384302	8021	ND	ND	ND	ND	ND	ND	600	190	15000	ND	ND	15790
07/16/2002	A2722916	8021	ND	ND	ND	ND	610	ND	1500	1000	16000	ND	ND	19110
10/09/2002	A2A07507	8021	ND	ND	ND	ND	ND	ND	540	ND	12000	ND	ND	12540
04/09/2003	A3329402	8021	ND	ND	210	22	110	ND	390	1800	1200	ND	ND	3732
07/10/2003	A3654303	8021	ND	ND	ND	ND	ND	ND	860	400	7700	ND	ND	8960
10/13/2003	A3991301	8021	ND	ND	120	ND	100	ND	1200	870	7500	ND	ND	9790
01/07/2004	A4012402	8021	ND	ND	270	ND	ND	ND	1000	1800	7800	ND	120	10990
04/14/2004	A4331402	8021	ND	ND	180	ND	ND	ND	960	1800	9700	ND	ND	12640
07/07/2004	A4636803	8021	ND	ND	220	ND	ND	ND	1100	1100	12000	ND	ND	14420
10/08/2004	A4994502	8021	ND	ND	ND	ND	ND	ND	760	760	10000	ND	ND	11520
01/18/2005	A5051103	8260	ND	ND	ND	ND	ND	ND	860	1400	12000	ND	ND	14260
04/04/2005	A5307503	8260	ND	0.68 J	170 E	66 E	ND	7.7	810 E	1300 E	2500 E	1.9	20	4876.28
04/04/2005	A5307503DL	8260	ND	ND	ND	ND	ND	ND	580 D	1300 D	8200 D	ND	ND	10080
07/11/2005	A5724601	8260/5ML	ND	ND	70	ND	ND	ND	710	280	9200	ND	ND	10260
10/05/2005	A5B10701	8260	ND	ND	180	ND	ND	ND	530	1000	5400	ND	ND	7110
01/24/2006	A6089106	8260	ND	ND	170	ND	ND	ND	770	1200	8500	ND	ND	10640
04/12/2006	6D13005-04RE1	8260B	ND	ND	124	24	11	7	638	1020	7800 D	ND	18	9642
07/11/2006	6G12005-03	8260B	ND	ND	102	14	22	ND	621	411	6850 D	ND	13	8033
10/09/2006	6J10002-03	8260B	ND	ND	146	23	ND	6	322	1130 D	2770 D	ND	12	4409
01/10/2007	7A11003-04	8260B	ND	ND	135	17	12	ND	368	919	4950 D	ND	10	6411
04/03/2007	7D04039-01	8260B	ND	ND	110	23	164	9	792	897	9730 D	ND	24	11749
07/05/2007	7G06018-04	8260B	ND	ND	148	ND	ND	ND	10400	936	372	ND	ND	11856
10/10/2007	7J11002-01RE1	8260B	ND	ND	36	ND	ND	ND	2190	50	3380	ND	80	5736
01/07/2008	8A08003-09	8260B	ND	ND	86	ND	86	ND	629	722	524	ND	ND	2047
04/08/2008	8D09003-04	8260B	ND	ND	102	15	ND	ND	1290	382	366	ND	90	2245
07/16/2008	5417447	8260B	ND	ND	120	11 J	ND	6 J	2000	210	95	ND	390	2832
10/14/2008	5498678	8260B	ND	ND	190	3.1 J	ND	5 J	1200	120	97	ND	21	1636.1
01/21/2009	5582428	8260B	ND	ND	86	7.6	ND	5	920	100	280	ND	70	1468.6
04/16/2009	5649165	8260B	ND	ND	190	31	ND	5.1	780	1100	260	ND	160	2526.1
07/13/2009	5722296	8260B	ND	ND	82	19	ND	7.9 J	1700	350	420	ND	150	2728.9
10/07/2009	5800381	8260B	ND	ND	460	62	ND	2.9 J	500	2800	250	ND	65	4139.9

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/26/2010	5893226	8260B	ND	ND	270	39	ND	ND	490	2300	320	ND	39	3458
04/07/2010	5948423	8260B	ND	0.98 J	270	81	ND	9.5	910	2200	2400	0.82 J	85	5957.3
07/21/2010	6039078	8260B	ND	ND	180	31	ND	7.8 J	1100	1100	2300	ND	60	4778.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041304	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.42 J	ND	ND	2.82
04/20/2001	A1366407	624	ND	ND	ND	ND	ND	ND	1.6	ND	1.5	ND	ND	3.1
07/11/2001	A1648715	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.38 J	ND	ND	1.58
10/16/2001	A1A17404	8021	ND	ND	ND	ND	ND	5.2	210	ND	69	ND	3.5	287.7
01/21/2002	A2066001	8021	ND	ND	ND	ND	ND	6.5	140	ND	ND	ND	ND	146.5
04/11/2002	A2348304	8021	ND	ND	ND	ND	ND	4.9	170	ND	ND	ND	8.4	183.3
07/12/2002	A2713910	8021	ND	ND	ND	ND	ND	5.8	120	ND	4	ND	3.5	133.3
10/08/2002	A2999305	8021	ND	ND	1.1	ND	ND	10	300	ND	4	ND	ND	315.1
04/09/2003	A3329502	8021	ND	ND	ND	ND	16	ND	52	ND	ND	ND	1.8	69.8
07/08/2003	A3649104	8021	ND	ND	ND	ND	3.8	6	230	ND	ND	ND	ND	239.8
10/13/2003	A3991407	8021	ND	ND	ND	ND	ND	8.2	230	ND	ND	ND	ND	238.2
01/09/2004	A4026203	8021	ND	ND	ND	ND	ND	3.1	110	ND	ND	ND	3.1	116.2
04/14/2004	A4331803	8021	ND	ND	ND	ND	ND	2.4	100	ND	4.3	ND	ND	106.7
07/06/2004	A4636509	8021	ND	ND	ND	2.5	ND	9.2	260 E	ND	3.1	ND	3	277.8
07/06/2004	A4636509DL	8021	ND	ND	ND	ND	5.4 DE	8.8 D	230 D	ND	ND	ND	ND	244.2
10/08/2004	A4994501	8021	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	200
01/12/2005	A5036201	8260	ND	ND	ND	ND	ND	2.8	98	ND	ND	ND	ND	100.8
04/04/2005	A5307703	8260	ND	ND	ND	ND	ND	3.2	110 E	ND	0.43 J	ND	1.9	115.53
04/04/2005	A5307703DL	8260	ND	ND	ND	ND	ND	2.1 D	90 D	ND	ND	ND	ND	92.1
07/08/2005	A5715301	8260/5ML	ND	ND	ND	ND	1.2 J	5.7	140	ND	ND	ND	ND	146.9
10/05/2005	A5B10603	8260	ND	ND	0.55 J	ND	ND	6	110 E	ND	0.69 J	ND	0.98 J	118.22
10/05/2005	A5B10603DL	8260	ND	ND	ND	ND	ND	5.9 D	120 D	ND	ND	ND	ND	125.9
01/24/2006	A6089110	8260	ND	ND	ND	ND	ND	2.2	69	ND	0.52 J	ND	1.1 J	72.82
04/12/2006	6D13005-01	8260B	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260B	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260B	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260B	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260B	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260B	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260B	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64
01/07/2008	8A08003-07	8260B	ND	ND	ND	ND	ND	1	25	ND	ND	ND	ND	26
04/08/2008	8D09003-02	8260B	ND	ND	ND	ND	3 B	2	67	ND	ND	ND	ND	72
07/16/2008	5417454	8260B	ND	ND	ND	ND	ND	3.6 J	92	ND	ND	ND	ND	95.6
10/14/2008	5498679	8260B	ND	ND	ND	ND	ND	1.5 J	55	ND	ND	ND	ND	56.5
01/21/2009	5582429	8260B	ND	ND	ND	ND	ND	1.3 J	33	ND	ND	ND	1.2 J	35.5
04/15/2009	5647723	8260B	ND	ND	ND	ND	ND	1.6 J	46	ND	ND	ND	1.7 J	49.3
07/08/2009	5719622	8260B	ND	ND	ND	ND	ND	5.4	120	ND	ND	ND	ND	125.4

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/05/2009	5797970	8260B	ND	ND	ND	ND	ND	4 J	90	ND	ND	ND	ND	94
01/25/2010	5892347	8260B	ND	ND	ND	ND	ND	2 J	60	ND	ND	ND	2.3 J	64.3
04/06/2010	5946898	8260B	ND	ND	ND	ND	ND	2.5 J	90	ND	ND	ND	2.3 J	94.8
07/21/2010	6039076	8260B	ND	ND	ND	ND	ND	5.4	100	ND	ND	ND	1.3 J	106.7

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:

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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
10/14/2008	5498682	8260B	ND	ND	8	1.7 J	ND	8	460	5.1	530	ND	ND	1012.8
01/14/2009	5577587	8260B	ND	ND	24	7.9	ND	11	720	38	1200	ND	2 J	2002.9
04/14/2009	5646771	8260B	ND	ND	12	3.5 J	ND	6.1 J	370	23	1600	ND	3.9 J	2018.5
07/09/2009	5720680	8260B	ND	ND	6.6	2.3 J	ND	6.8	390	5.6	490	ND	ND	901.3
10/05/2009	5797961	8260B	ND	ND	10	3.1 J	ND	6.7 J	560	9.2 J	780	ND	ND	1369
01/21/2010	5889956	8260B	ND	ND	17 J	4.9 J	ND	8.8 J	460	32	2100	ND	ND	2622.7

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro- ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethene (ug/L)	Tetrachloro- ethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/06/2010	5946899	8260B	ND	ND	9.5 J	2.8 J	ND	5.6 J	390	13	1600	ND	6.4 J	2027.3
07/13/2010	6031624	8260B	ND	ND	6.9	3.4 J	ND	7.7	460	5.4	760	ND	ND	1243.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-1														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035112	8021	ND	ND	ND	ND	5.6	ND	71	ND	150	ND	ND	226.6
04/20/2001	A1366403	624	ND	ND	ND	ND	ND	2.4	84	ND	330 D	ND	1.9	418.3
07/11/2001	A1648702	8021	ND	ND	ND	ND	2.9	1.3	83	ND	140	ND	4.7	231.9
09/07/2001	A1863501	8021	ND	ND	ND	ND	38	ND	1500	ND	2500	ND	ND	4038
10/16/2001	A1A17402	8021	ND	ND	ND	ND	ND	ND	2700	ND	40000	ND	ND	42700
01/23/2002	A2076705	8021	ND	ND	ND	ND	1500	ND	880	ND	2000	ND	ND	4380
04/18/2002	A2378804	8021	ND	ND	ND	ND	23	ND	240	ND	1200	ND	ND	1463
07/16/2002	A2722914	8021	ND	ND	ND	ND	60	ND	520	ND	1800	ND	ND	2380
10/09/2002	A2A07508	8021	ND	ND	ND	ND	ND	ND	27000	ND	140000	ND	ND	167000
01/24/2003	A3075208	8021	ND	ND	ND	ND	ND	ND	920	ND	2100	ND	26	3046
04/09/2003	A3329403	8021	ND	ND	ND	ND	ND	ND	560	ND	1900	ND	ND	2460
07/10/2003	A3654305	8021	ND	ND	ND	ND	ND	ND	1200	ND	3800	ND	ND	5000
10/13/2003	A3991302	8021	ND	ND	ND	ND	ND	ND	1200	ND	3600	ND	ND	4800
01/09/2004	A4026101	8021	ND	ND	ND	ND	ND	18	380	ND	1300	ND	25	1723
04/14/2004	A4331403	8021	ND	ND	ND	ND	ND	ND	1400	ND	4500	ND	ND	5900
07/06/2004	A4636805	8021	ND	ND	ND	ND	ND	ND	540	ND	1600	ND	43	2183
10/07/2004	A4994204	8021	ND	ND	ND	ND	ND	ND	170	ND	130	ND	ND	300
01/12/2005	A5036101	8260	ND	ND	6.9	4.5	ND	6.1	900 E	5.5	2700 E	ND	ND	3623
01/12/2005	A5036101DL	8260							600 D		2400 D			3000
04/04/2005	A5307501	8260	ND	ND	1.2	0.61 J	ND	1.9	190 E	0.71 J	650 E	2	6.8	853.22
04/04/2005	A5307501DL	8260	ND	ND	ND	ND	ND	ND	350 D	ND	1500 BD	ND	ND	1850
07/11/2005	A5724602	8260/5ML	ND	ND	5.3	ND	ND	ND	410	ND	1100 E	ND	18	1533.3
07/11/2005	A5724602DL	8260/5ML	ND	ND	ND	ND	ND	ND	320 D	ND	870 D	ND	15 D	1205
10/05/2005	A5B10702	8260	ND	ND	ND	ND	ND	ND	390	11	1300	ND	13	1714
01/26/2006	A6102404	8260	ND	ND	2.3	0.69 J	ND	1.9	160 E	2.5	700 E	ND	2.4	869.79
01/26/2006	A6102404DL	8260	ND	ND	ND	ND	ND	ND	200 D	ND	900 D	ND	7.5 D	1107.5
04/13/2006	6D14002-07RE1	8260B	ND	ND	2	ND	ND	2	146	ND	636 D	ND	6	792
07/11/2006	6G12005-01	8260B	ND	ND	2	ND	4	2	143	2	449 D	ND	ND	602
10/09/2006	6J10002-02	8260B	ND	ND	ND	ND	ND	2	114	ND	871 D	ND	3	990
01/09/2007	7A10006-02	8260B	ND	ND	3	ND	ND	2	185	3	638 D	ND	7	838
04/03/2007	7D04039-04	8260B	ND	ND	6	2	ND	3	302 D	6	1040 D	ND	20	1379
07/05/2007	7G06018-05RE1	8260B	ND	ND	ND	ND	ND	ND	68	ND	235	ND	6	309
10/09/2007	7J10006-07	8260B	ND	ND	4	ND	ND	3	304	ND	1090 D	ND	13	1414
01/07/2008	8A08003-08	8260B	ND	ND	ND	ND	31	ND	84	ND	463	ND	ND	578
04/08/2008	8D09003-03	8260B	ND	ND	12	ND	16 B	ND	455	7	1690 D	ND	31	2211
07/21/2008	5420903	8260B	ND	ND	1.3 J	ND	ND	1.6 J	120	ND	1500	ND	7.5	1630.4
10/14/2008	5498687	8260B	ND	ND	110 J	54 J	ND	60 J	10000	ND	41000	ND	180 J	51404

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
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- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-1

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2009	5576508	8260B	ND	ND	18	5	ND	5.6	570	17	2100	ND	30	2745.6
04/15/2009	5647722	8260B	ND	ND	11	2.8 J	ND	3.6 J	400	11	1300	ND	19	1747.4
07/07/2009	5718471	8260B	ND	ND	1.6 J	ND	ND	1.6 J	110	1.1 J	430	ND	5.6	549.9
10/07/2009	5800383	8260B	ND	ND	2.3 J	0.85 J	ND	1.9 J	160	2 J	470	ND	9.3	646.35
01/20/2010	5888923	8260B	ND	ND	11	1.8 J	ND	2.6 J	340	11	1200	ND	11	1577.4
04/07/2010	5948422	8260B	ND	ND	11	3.4 J	ND	3.6 J	370	7.2	1300	ND	24	1719.2
07/14/2010	6032689	8260B	ND	ND	3 J	1.2 J	ND	2 J	180	2.1 J	470	ND	6.7	665

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/13/2003	A3991406	8021	ND	ND	ND	5	ND	4.8	840 D	ND	1500 D	2.8	40 D	2392.6
01/07/2004	A4012401	8021	ND	ND	ND	ND	ND	ND	490	ND	1800	ND	ND	2290
04/14/2004	A4331401	8021	ND	ND	ND	ND	ND	ND	460	ND	2400	ND	ND	2860
07/07/2004	A4636804	8021	ND	ND	ND	ND	ND	ND	440	ND	1300	20	36	1796
10/13/2004	A4A09404	8021	ND	ND	ND	3.1	ND	2.5	490 D	ND	1200 D	4.1	3.1	1702.8
01/12/2005	A5036105	8260	ND	ND	ND	ND	ND	ND	700	ND	4000 E	ND	ND	4700
01/12/2005	A5036105DL	8260							460 D		2200 D			2660
04/04/2005	A5307502	8260	ND	ND	ND	2	ND	3.8	570 E	ND	1800 E	35	4.9	2415.7
04/04/2005	A5307502DL	8260	ND	ND	ND	ND	ND	ND	500 D	ND	3700 BD	ND	ND	4200
07/11/2005	A5724603	8260/5ML	ND	ND	ND	ND	ND	ND	1400	ND	3200	ND	36	4636
10/05/2005	A5B10703	8260	ND	ND	ND	ND	ND	ND	800	ND	1500	ND	ND	2300
01/24/2006	A6089105	8260	ND	ND	ND	ND	ND	ND	450	ND	3100 E	18	ND	3568
01/24/2006	A6089105DL	8260	ND	ND	ND	ND	ND	ND	520 D	ND	3700 D	23 D	ND	4243
04/13/2006	6D14002-06RE1	8260B	ND	ND	ND	ND	ND	1	298 D	ND	946 D	10	4	1259
07/11/2006	6G12005-02	8260B	ND	ND	ND	5	3	5	1150 D	ND	3150 D	8	5	4326
10/09/2006	6J10002-06	8260B	ND	ND	ND	4	ND	6	1550 D	ND	4620 D	3	4	6187
01/09/2007	7A10006-05	8260B	ND	ND	ND	ND	39	ND	437	ND	1940 D	21	ND	2437
04/03/2007	7D04039-05	8260B	ND	ND	ND	2	ND	3	540 D	ND	2250 D	18	9	2822
07/05/2007	7G06018-02	8260B	ND	ND	ND	ND	ND	ND	1320	ND	3120	ND	61	4501
10/09/2007	7J10006-06	8260B	ND	ND	ND	ND	ND	ND	1400	ND	4220 D	ND	ND	5620
01/07/2008	8A08003-04RE1	8260B	ND	ND	ND	ND	ND	ND	849	ND	362	ND	24	1235
04/08/2008	8D09003-05	8260B	ND	ND	ND	ND	35 B	12	2910 D	ND	2120 D	ND	154	5231
07/16/2008	5417446	8260B	ND	ND	ND	8	ND	5.2	770	ND	630	ND	130	1543.2
10/14/2008	5498677	8260B	ND	ND	ND	10 J	ND	6.4 J	1000	ND	1400	ND	31	2447.4
01/15/2009	5578620	8260B	ND	ND	ND	3.2 J	ND	2.7 J	630	ND	2000	ND	48	2683.9
04/13/2009	5647718	8260B	ND	ND	ND	4.5 J	ND	ND	730	ND	2200	ND	50	2984.5
07/07/2009	5718469	8260B	ND	ND	ND	19 J	ND	15 J	2600	ND	5000	ND	17 J	7651
10/06/2009	5799011	8260B	ND	ND	ND	11 J	ND	8.6 J	1700	ND	5500	ND	8 J	7227.6
01/25/2010	5892346	8260B	ND	ND	ND	ND	ND	ND	1400	ND	6300	ND	49 J	7749
04/06/2010	5946901	8260B	ND	ND	ND	4.3 J	ND	5.1 J	940	ND	4300	ND	40	5289.4
07/21/2010	6039079	8260B	ND	ND	ND	28	ND	20 J	2500	ND	4000	ND	13 J	6561

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2009	5582430	8260B	ND	ND	ND	ND	ND	ND	8.4	ND	55	ND	ND	63.4
04/16/2009	5649166	8260B	ND	ND	ND	ND	ND	ND	2.7 J	ND	21	ND	ND	23.7
07/13/2009	5722294	8260B	ND	ND	ND	ND	ND	ND	62	ND	350	ND	1.4 J	413.4
10/06/2009	5799007	8260B	ND	ND	1.2 J	ND	ND	ND	62	6.3	480	ND	1.5 J	551
01/26/2010	5893225	8260B	ND	ND	ND	ND	ND	ND	2.4 J	ND	29	ND	ND	31.4
04/07/2010	5948424	8260B	ND	ND	ND	ND	ND	ND	3.1 J	ND	26	ND	ND	29.1
07/21/2010	6039077	8260B	ND	ND	ND	ND	ND	ND	44	ND	320	ND	ND	364

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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-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/24/2001	A1375203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2001	A1A28803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2002	A2351701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2005	A5B19701	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-04	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-10	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-06	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/11/2007	7J12012-06	8260B	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/16/2008	8D16026-02	8260B	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
10/14/2008	5498681	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651168	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799014	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948421	8260B	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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