

November 14, 2011

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

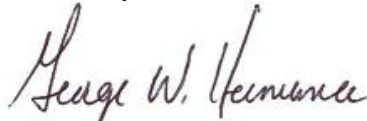
RE: Third Quarter 2011 Monitoring Report
Former Carborundum Facility, Village of Sanborn, Town of Wheatfield, New York
NYSDEC Site No. 932102

Dear Mr. Dieffenbach:

On behalf of Atlantic Richfield Company, attached is the Third Quarter 2011 Monitoring Report for the Former Carborundum Facility in Wheatfield, New York (Site). The report covers activities at the Site from July 1, 2011 through September 30, 2011. The CDs enclosed at the end of the attached report contain an electronic copy of the report in PDF format and the quarterly monitoring data in the EQUIS format.

If you have any questions, please feel free to contact me at (716) 407-4990.

Sincerely,



George W. Hermance
Project Manager

Attachment

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

THIRD QUARTER 2011 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 2011

Third Quarter 2011 Monitoring Report For:

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

Prepared for:



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Environmental Conservation
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4850 East 49th Street
MBC 3-147
Cuyahoga Heights, Ohio 44125

Prepared by:

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

November 2011

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APPENDIX B LABORATORY DATA REPORTS

APPENDIX C WATER QUALITY DATABASE JANUARY 2001 THROUGH SEPTEMBER 2011

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 2011 groundwater sampling event and provides a summary of the OM&M activities completed between July 1 and September 30, 2011.

The July 2011 groundwater sampling event included static water level measurements prior to purging, and the collection of groundwater samples from 56 monitoring wells and six recovery wells in accordance with the NYSDEC-approved (October 2005, amended 2009) 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 11, 2011, water levels were measured in 59 monitoring wells and six recovery wells. The water levels were measured to the nearest 0.01 feet from the top of the well casing, using an electronic water level meter. The water level meter was decontaminated between measurements at each well. Water level elevations were calculated using the surveyed elevations of the top of well casings and the measured depth to groundwater. Table 1 provides a summary of the water level measurements. Groundwater elevation contours for the Top of Rock Zone and Zone 1 for July 2011 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 26, 2011. 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.

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

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 recovery wells were also sampled for VOCs.

All VOC samples were placed in pre-cleaned, labeled 40-ml glass vials provided by Lancaster Laboratories. The sample vials did not contain preservatives. Three sample vials were collected for each analysis. The containers were visually inspected to confirm that they did not contain air bubbles.

LABORATORY ANALYSIS AND RESULTS

Groundwater samples collected during the July 2011 sampling event were submitted to Lancaster Laboratories for VOC analysis using Method 8260B. The Method 8260B analytical reports provided results for selected halogenated VOCs. The analytical results are listed in the laboratory data reports in Appendix B, along with chain-of-custody records (COCs).

The chemical analytical results for this round of groundwater sampling with the exceptions as discussed below were generally consistent with historical concentrations and are summarized in Table 4. Figures 3 and 4 provide a summary of the analytical results, plotted on a Site map. The sample results have been incorporated into the project water quality database. A historical summary (January 2001 through September 2011) is provided in Appendix C. Sample results for the third quarter groundwater sampling were generally consistent with previous sampling results. The previous reporting period identified recovery well P-4 with a total VOC concentration of 5,339.7 ug/L compared to historical results between 1,000 and 3,000 ug/L. P-4 total VOC concentrations during this reporting period returned to the historical range (2,204.6 ug/L). This recovery well is scheduled to be sampled again in October 2011.

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.

In the 2010 Periodic Review Report (Parsons, March 2011), five wells (B-4M, B-19M, B-53M, B-56M, and B-59M) were noted to have increased total VOC concentrations during the October 2010 groundwater sampling event. Two of the wells, B-19M and B-56M, were sampled, as scheduled, during the first three quarters of 2011. B-4M, B-53M, and B-59M were sampled in addition to the scheduled wells in April, as well as during the current scheduled sampling event.

Sampling results from these wells show the following:

- B-19M: The total VOC concentration decreased by an order of magnitude during the first quarter of 2011, and again by another order of magnitude during the second quarter. Third quarter results were similar to the second quarter. Total VOC results are consistent with historical values.
- B-56M: Total VOC concentrations remained elevated during the first quarter of 2011 but decreased during the second quarter, and decreased additionally during the third quarter. The July 2011 total VOC concentrations are within the historical range of values.
- B-4M: Total VOC concentrations were significantly lower in April 2011 than in July 2010 (the last time the well was sampled) but remained elevated compared to previous results. The current quarterly sample results were consistent historical results, lower than the previous April 2011 and July 2010 sampling events.
- B-53M: Total VOC concentrations were slightly higher in April 2011 than the previous two times the well was sampled (July 2009 and 2010). However, results were lower than in the July 2008 sampling event. The July 2011 total VOCs were lower than the three previous sampling events and are consistent with historical total VOC concentrations found at this location.
- B-59M: The April 2011 total VOC concentrations were within the historical range for total VOC concentrations, and were substantially lower than the July 2010 sample. The July 2011 sampling event found VOCs to be below the analytical detection limits.

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:

- repaired the softstarter for pump P-805A;
- repaired leaking pressure valve on tank T-802; and
- replaced SPDES sampling refrigerator.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

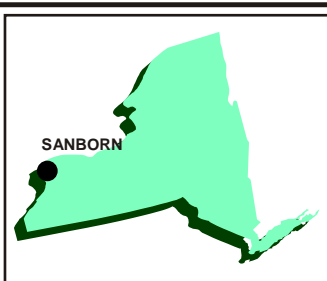
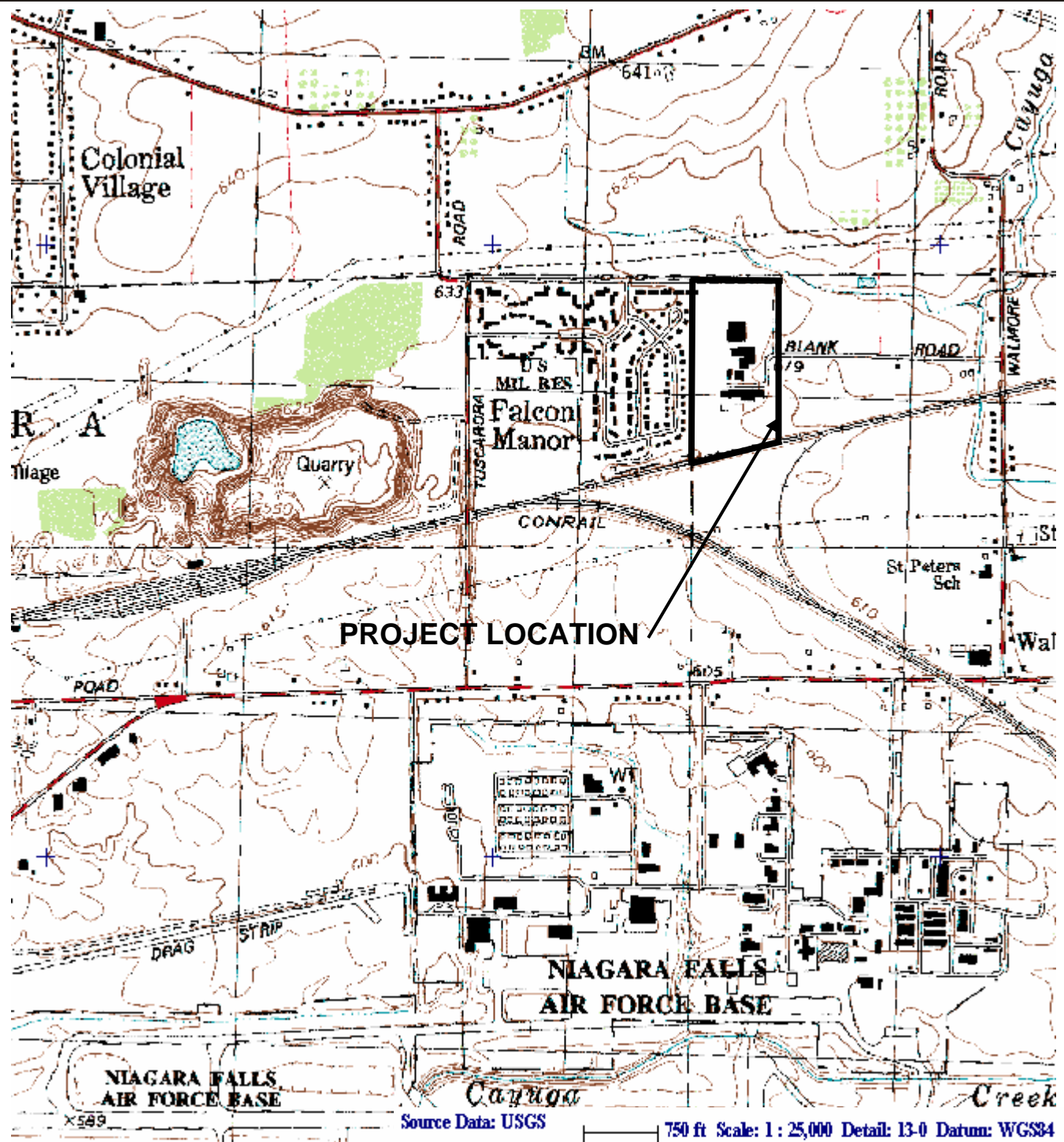
During the reporting period, approximately 11.2 million gallons of groundwater were recovered and treated. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorized discharge through March 31, 2012. The average pumping rate from the system was approximately 84.5 gallons per minute (gpm) during the reporting period. The total extracted mass during the second quarter of 2011 was 52.7 pounds. The extracted mass was estimated using individual well pumping rates and analytical results. Table 5 provides the GRS performance summary for the quarter. The GRS uptime (hours during quarter that GRS was operational / total hours during quarter) for the quarter was 98.0 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 concentrations are consistent with historical data.
- Groundwater elevation and flow paths were consistent with historical patterns.
- Of the five wells noted in the 2010 Periodic Review (Parsons, 2011) with increased total VOC concentrations (B-4M, B-19M, B-53M, B-56M, and B-59M), wells B-19M and B-56M were sampled during the January 2011 sampling event, and all five were sampled during the April 2011 and the current sampling event. Concentrations of total VOCs have returned to historical concentration levels in each of these wells.
- Based on the data review described in this report, the laboratory analytical data are considered valid for their intended use.
- To the extent possible, the groundwater recovery and treatment system was operated continuously throughout the reporting period. Uptime of the GRS for the quarter was 98.0 percent.
- Monthly DMRs were provided to NYSDEC. The discharge data were within the compliance parameters for each monthly reporting period.

FIGURES



New York
Quadrangle

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



SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

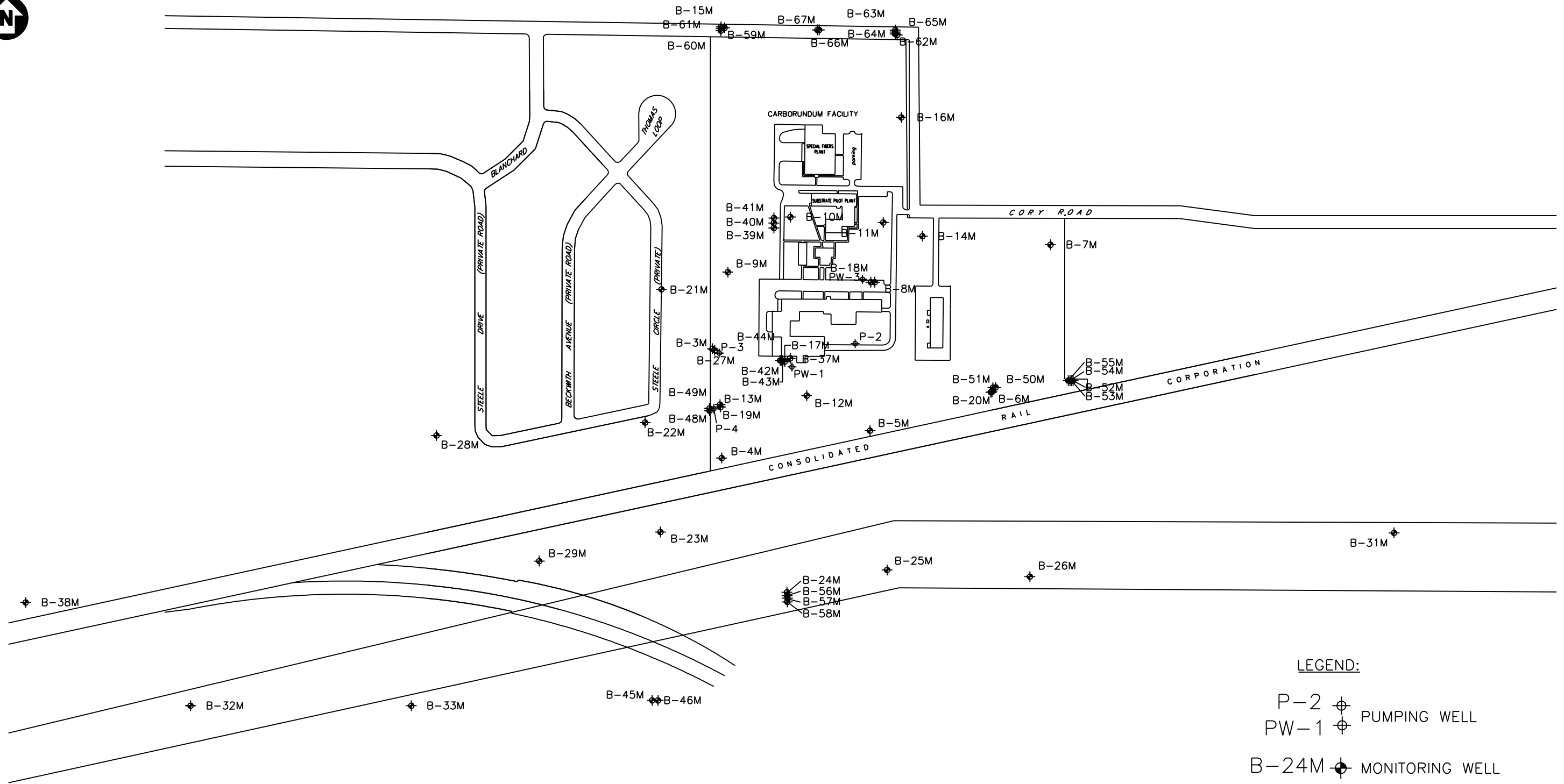
FIGURE 1

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'

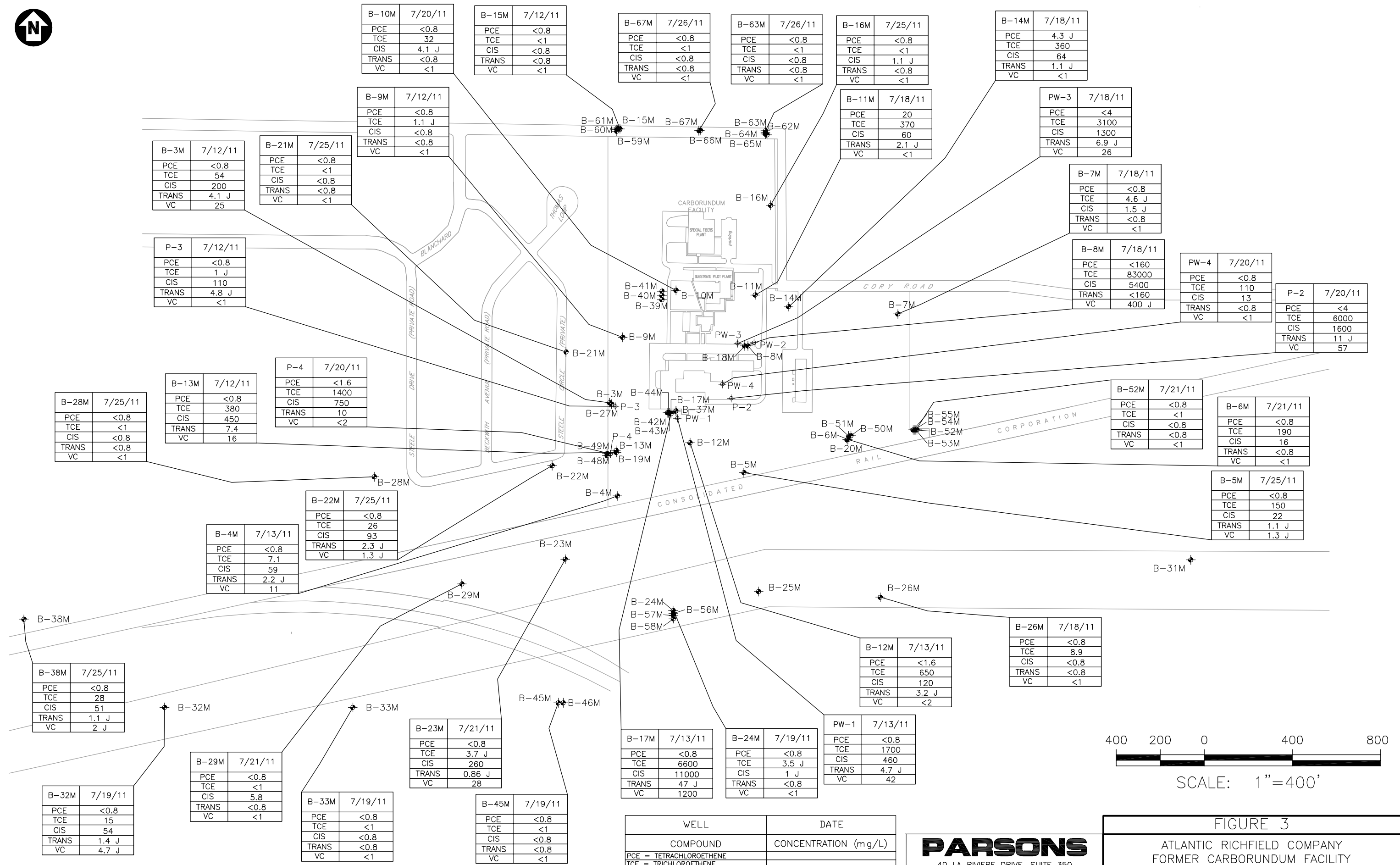
FIGURE 2

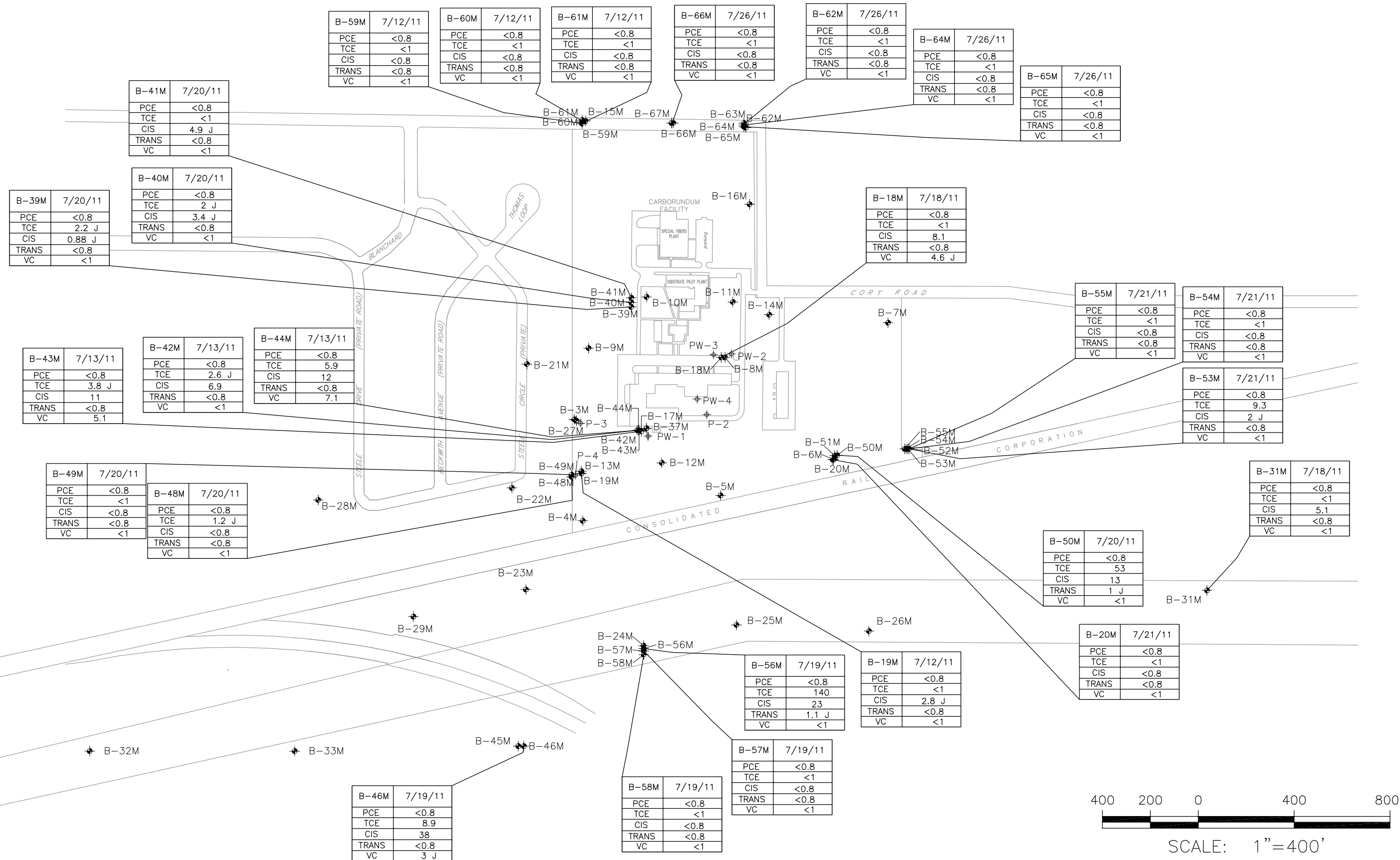
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY

SITE PLAN

PARSONS

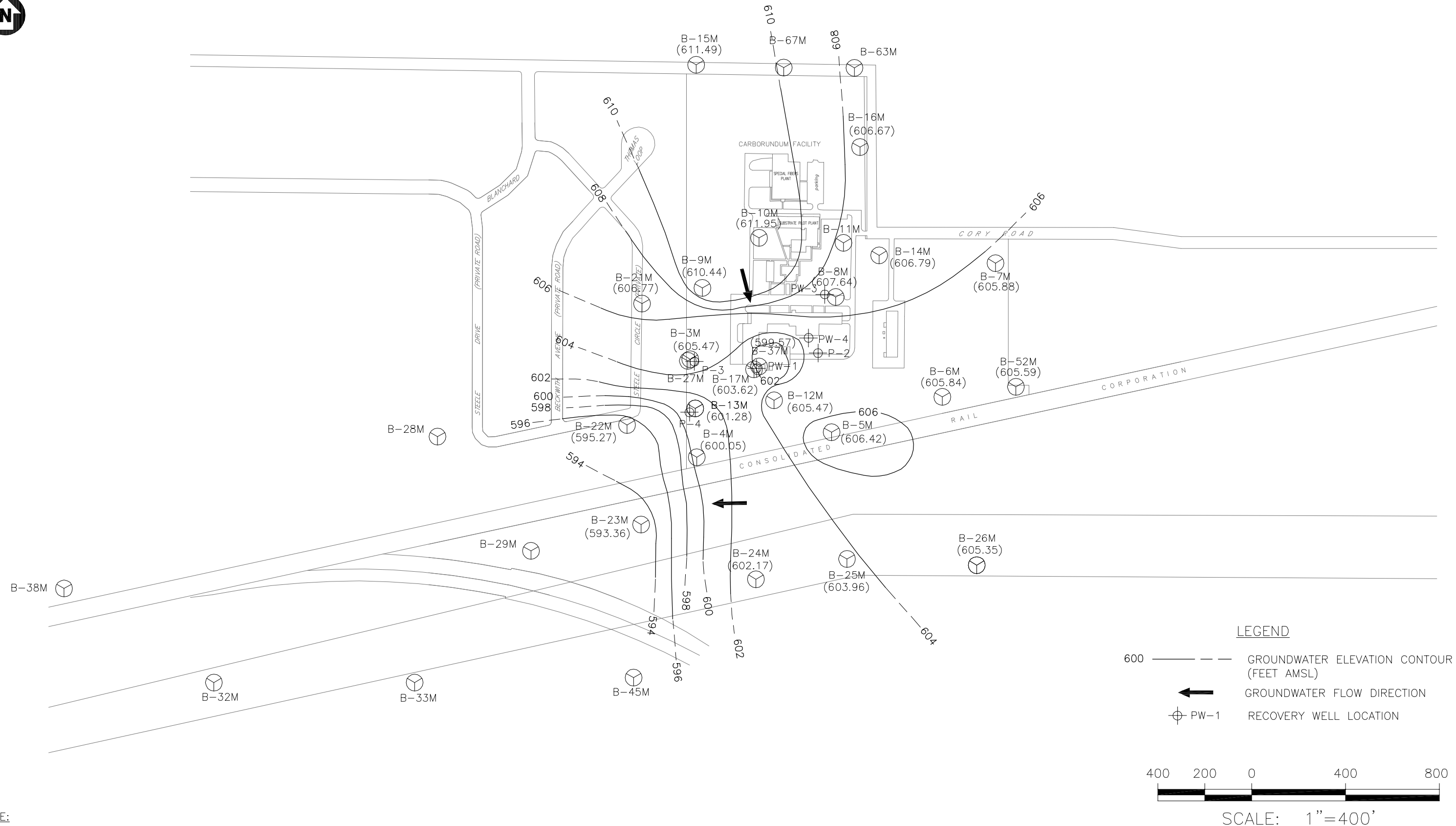
40 LA RIVIERE DRIVE, SUITE 350, BUFFALO, N.Y. 14202, PHONE: 716-541-0730





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

FILE NAME: P:\BP PROGRAM\446476_BP_SANBORN\ENGR\CAD-FIGURES\2011\JULY\SK-446476-Q004(JULY 2011).DWG
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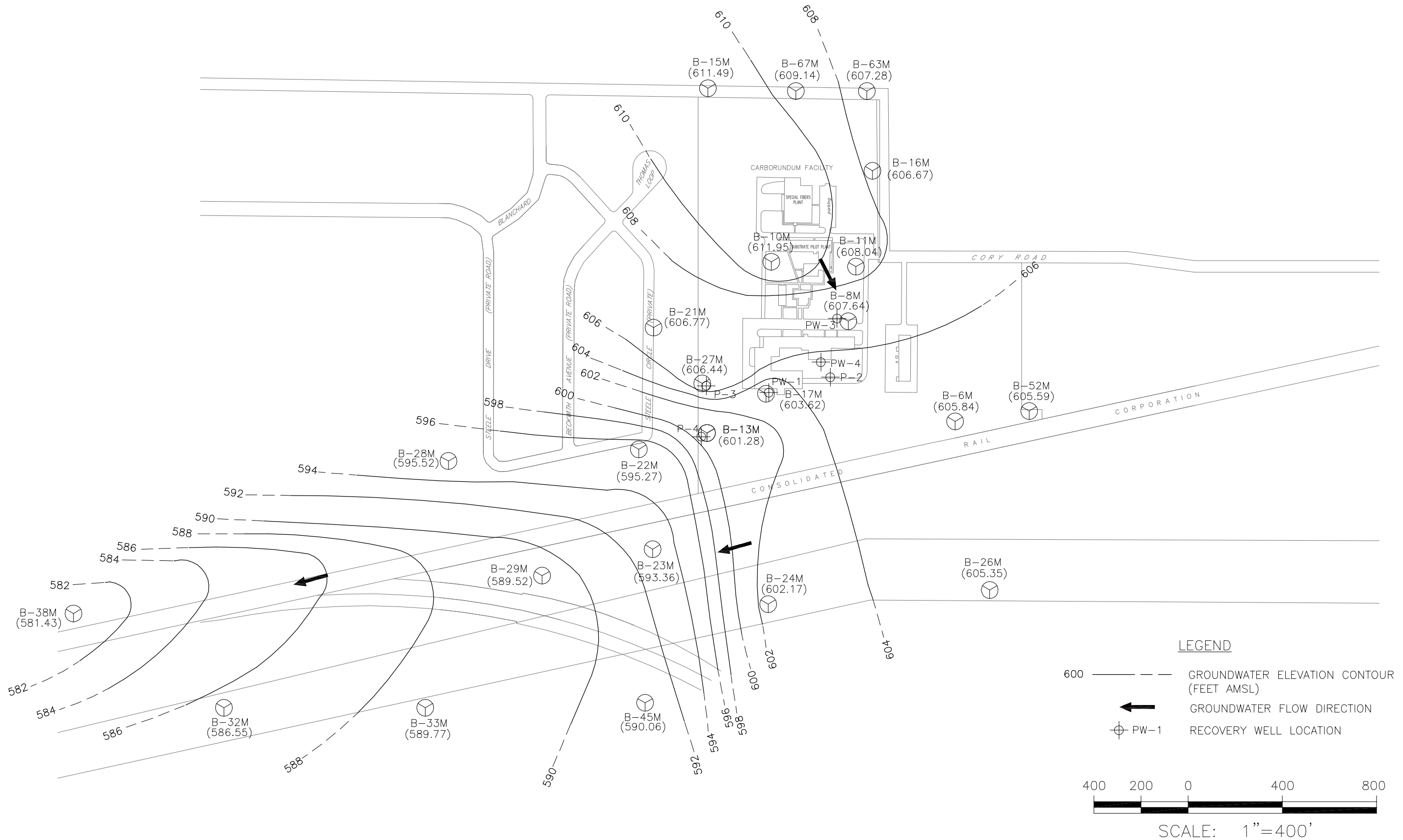


NOTE:

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

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK - JULY 11, 2011



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 11, 2011

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA - JULY 2011
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well I.D.	Date	Top of Riser Elevation (ft)	Water Level (ft)	Groundwater Elevation (ft)	Remarks
P-2	07/11/11	619.67	21.40	598.27	
P-3	07/11/11	627.35	28.55	598.80	
P-4	07/11/11	624.45	26.03	598.42	
PW-1	07/11/11	619.78	19.23	600.55	
PW-3	07/11/11	618.28	13.18	605.10	
PW-4	07/11/11	620.84	15.43	605.41	
B-3M	07/11/11	625.59	20.12	605.47	
B-4M	07/11/11	622.24	22.19	600.05	
B-5M	07/11/11	620.83	14.41	606.42	
B-6M	07/11/11	615.69	9.85	605.84	
B-7M	07/11/11	616.22	10.34	605.88	
B-8M	07/11/11	618.57	10.93	607.64	
B-9M	07/11/11	623.03	12.59	610.44	
B-10M	07/11/11	626.05	14.10	611.95	
B-11M	07/11/11	622.81	14.77	608.04	
B-12M	07/11/11	622.17	16.70	605.47	
B-13M	07/11/11	626.70	25.42	601.28	
B-14M	07/11/11	618.25	11.46	606.79	
B-15M	07/11/11	623.98	12.49	611.49	
B-16M	07/11/11	626.08	17.64	608.44	
B-17M	07/11/11	622.07	18.45	603.62	
B-18M	07/11/11	618.69	12.91	605.78	
B-19M	07/11/11	626.01	22.91	603.10	
B-20M	07/11/11	615.32	10.22	605.10	
B-21M	07/11/11	622.56	15.79	606.77	
B-22M	07/11/11	622.29	27.02	595.27	
B-23M	07/11/11	617.71	24.35	593.36	
B-24M	07/11/11	617.24	15.07	602.17	
B-25M	07/11/11	619.31	15.35	603.96	
B-26M	07/11/11	618.06	12.71	605.35	
B-27M	07/11/11	626.04	19.60	606.44	
B-28M	07/11/11	622.62	27.10	595.52	
B-29M	07/11/11	618.31	28.79	589.52	
B-31M	07/11/11	613.78	9.66	604.12	
B-32M	07/11/11	619.35	32.80	586.55	
B-33M	07/11/11	612.43	22.66	589.77	
B-37M	07/11/11	616.90	17.33	599.57	
B-38M	07/11/11	609.81	28.38	581.43	
B-39M	07/11/11	626.12	19.49	606.63	
B-40M	07/11/11	626.23	19.84	606.39	
B-41M	07/11/11	626.31	21.11	605.20	
B-42M	07/11/11	623.76	20.06	603.70	
B-43M	07/11/11	623.64	18.44	605.20	
B-44M	07/11/11	623.29	17.25	606.04	
B-45M	07/11/11	612.12	22.06	590.06	
B-46M	07/11/11	613.46	23.71	589.75	
B-48M	07/11/11	625.40	27.68	597.72	
B-49M	07/11/11	625.56	19.16	606.40	
B-50M	07/11/11	616.47	10.88	605.59	
B-51M	07/11/11	616.48	NM	NA	NM -not measured, well damage
B-52M	07/11/11	616.26	10.67	605.59	
B-53M	07/11/11	616.14	10.59	605.55	
B-54M	07/11/11	616.00	10.29	605.71	
B-55M	07/11/11	615.59	27.10	588.49	
B-56M	07/11/11	617.78	25.21	592.57	
B-57M	07/11/11	617.80	26.98	590.82	
B-58M	07/11/11	617.99	24.46	593.53	
B-59M	07/11/11	625.53	27.55	597.98	
B-60M	07/11/11	625.67	19.13	606.54	
B-61M	07/11/11	625.72	18.81	606.91	
B-62M	07/11/11	623.89	10.11	613.78	
B-63M	07/11/11	624.14	16.76	607.38	
B-64M	07/11/11	623.95	16.99	606.96	
B-65M	07/11/11	624.19	17.64	606.55	
B-66M	07/11/11	625.37	18.44	606.93	
B-67M	07/11/11	625.51	16.45	609.06	

TABLE 2
MONITORING WELL GROUNDWATER PURGING DATA
JULY 2011 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well ID	Date	Time	Top of Riser Elevation (ft)	Initial Water Level (ft)	Initial Groundwater Elevation (ft)	Measured Well Bottom (ft)	Water Column Hgt. (ft)	One Well Volume (gal)	Total Volume Purged (gal)	Purging Codes	Remarks
P-2	7/20/11	12:30	619.67								Pumping well
P-3	7/12/11	12:10	627.35								Pumping well
P-4	7/18/11	15:05	624.45								Pumping well
PW-1	7/13/11	10:30	619.78								Pumping well
PW-3	7/18/11	10:50	618.28								Pumping well
PW-4	7/20/11	12:35	618.28								Pumping well
B-3M	7/12/11	11:35	625.59	20.28	605.31	25	4.72	0.8	4.5	4	
B-5M	7/25/11	13:00	620.83	17.25	603.58	31.01	13.76	2.34	12	4	
B-6M	7/21/11	11:30	615.69	11.54	604.15	19.10	7.56	1.29	2.5	4	well dry
B-7M	7/18/11	9:05	616.22	11.40	604.82	21.91	10.51	1.79	9	4	
B-8M	7/18/11	11:30	618.57	12.04	606.53	17.80	5.76	0.98	5	4	
B-9M	7/12/11	11:05	623.03	12.73	610.30	21.13	8.40	1.43	-7.5	4	
B-10M	7/20/11	11:45	622.56	14.74	607.82	27.88	13.14	2.20	11	4	
B-11M	7/18/11	10:30	622.81	17.31	605.50	23.80	6.49	1.10	-2.2	4	well dry
B-12M	7/13/11	12:25	622.17	17.12	605.05	21.86	4.74	0.80	4.0	4	
B-13M	1/25/00	12:45	617.20	25.51	591.69	36.00	10.49	1.78	9	4	
B-14M	7/18/11	9:50	618.25	13.28	604.97	15.78	2.50	0.40	2	4	
B-15M	7/12/11	10:05	623.98	13.82	610.16	24.11	10.29	1.75	9	5	
B-16M	7/25/11	13:45	626.08	20.31	605.77	25.20	4.89	0.83	-3	4	
B-17M	7/13/11	9:15	622.07	18.94	603.13	26.01	7.07	1.20	6	4	
B-18M	7/18/11	11:10	618.69	14.47	604.22	50.32	35.85	6.10	31	5	
B-19M	7/12/11	13:35	626.01	23.10	602.91	66.13	43.03	7.32	37	5	
B-20M	7/21/11	11:45	615.40	11.47	603.93	49.91	38.44	6.53	33	5	
B-21M	7/25/11	10:40	622.56	18.40	604.16	26.68	8.28	1.40	7	4	
B-22M	7/25/11	9:55	617.71	29.51	588.20	35.92	6.41	1.09	6	4	
B-23M	7/21/11	14:20	617.71	26.37	591.34	31.70	5.33	0.90	-4	4	
B-26M	7/18/11	13:45	618.06	13.64	604.42	30.10	16.46	2.80	14	4	
B-28M	7/25/11	9:16	622.62	28.81	593.81	34.50	5.69	0.97	5	4	
B-29M	7/21/11	13:40	618.31	29.78	588.53	38.52	10.74	1.83	9.5	5	
B-31M	7/18/11	12:50	613.78	10.33	603.45	43.55	33.22	5.60	29	5	
B-32M	7/19/11	12:45	619.35	33.66	585.69	40.50	6.84	1.16	6	5	
B-33M	7/19/11	13:35	612.43	23.50	588.93	32.03	8.53	1.45	7.5	5	
B-34M	7/19/11	11:40	619.90	15.95	603.95	26.63	10.68	1.82	10	5	
B-38M	7/25/11	11:30	609.81	28.81	581.00	41.22	12.41	2.11	11	4	
B-39M	7/20/11	8:30	626.12	21.35	604.77	44.00	22.65	3.85	20	5	
B-40M	7/20/11	9:15	626.23	21.78	604.45	58.04	36.26	6.16	31	5	
B-41M	7/20/11	10:20	626.31	22.91	603.40	72.60	49.69	8.45	43	5	
B-42M	7/13/11	10:45	623.76	17.70	606.06	45.38	27.68	4.71	24	5	
B-43M	7/13/11	10:10	623.64	18.94	604.70	58.85	39.91	6.78	16	5	well dry at 16 gal
B-44M	7/13/11	8:05	623.29	20.77	602.52	84.45	63.68	10.83	27	5	well dry
B-45M	7/19/11	8:55	612.12	22.63	589.49	24.81	2.18	0.40	<0.5	4	well dry
B-46M	7/19/11	9:10	613.46	24.48	588.98	39.91	15.43	2.62	14	5	
B-48M	7/20/11	13:00	625.40	21.04	604.36	46.89	25.85	4.39	22	5	
B-49M	7/20/11	13:55	625.56	28.82	596.74	82.45	53.63	9.12	46	5	
B-50M	7/21/11	12:45	616.47	12.15	604.32	35.74	23.59	4.01	20	4	
B-52M	7/21/11	10:20	616.26	11.91	604.35	22.40	10.49	1.78	9	5	
B-53M	7/21/11	9:35	616.14	11.81	604.33	37.26	25.45	4.33	22	5	
B-54M	7/21/11	9:15	616.00	13.10	602.90	57.46	44.36	7.50	17	5	well dry at ~17 gal
B-55M	7/21/11	8:30	615.59	28.61	586.98	84.81	56.20	9.55	50	4,5	well dry at 15 gal
B-56M	7/19/11	11:00	617.78	25.97	591.81	39.60	13.63	2.32	12	5	
B-57M	7/19/11	10:45	617.80	28.21	589.59	50.57	22.36	3.80	8	4,5	well dry at 8 gal
B-58M	7/19/11	9:55	617.99	25.20	592.79	63.61	38.41	6.53	33	5	
B-59M	7/12/11	8:45	625.53	27.56	597.97	69.31	41.75	7.10	36	5	
B-60M	7/12/11	9:35	625.67	19.71	605.96	55.06	35.35	6.00	30	5	
B-61M	7/12/11	10:35	625.72	18.99	606.73	29.52	10.53	1.79	9	5	
B-62M	7/26/11	13:55	623.89	12.57	611.32	91.65	79.08	13.40	67	5	turbidity meter could not be calibrated properly
B-63M	7/26/11	12:15	624.14	19.71	604.43	27.21	7.50	1.28	7	5	turbidity meter could not be calibrated properly
B-64M	7/26/11	11:15	623.95	19.98	603.97	42.36	22.38	3.80	20	5	turbidity meter could not be calibrated properly
B-65M	7/26/11	10:30	624.19	20.31	603.88	57.17	36.86	6.27	32	5	turbidity meter could not be calibrated properly
B-66M	7/26/11	9:45	625.37	21.20	604.17	32.58	11.38	1.93	10	5	turbidity meter could not be calibrated properly
B-67M	7/26/11	9:00	625.51	17.81	607.70	24.77	6.96	1.18	6	4	turbidity meter could not be calibrated properly

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 2011 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well ID	Date	Time	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg C)	Turbidity (NTU)	Remarks
P-2	7/20/11	12:30	7.03	1.67	62.4	0.95	Pumping well
P-3	7/12/11	12:10	6.95	1.62	54.6	1	Pumping well
P-4	7/18/11	15:05	7.32	1.21	59.6	4	Pumping well
PW-1	7/13/11	10:30	7.05	1.02	57.7	2.1	Pumping well
PW-3	7/18/11	10:50	6.82	0.79	61.5	34	Pumping well
PW-4	7/20/11	12:35	6.22	0.88	57.0	0.5	Pumping well
B-3M	7/12/11	11:35	6.82	1.06	52.8	1	
B-5M	7/25/11	13:00	6.58	0.79	57.2	99	
B-6M	7/21/11	11:30	7.17	1.38	54.9	320	
B-7M	7/18/11	9:05	6.52	0.87	52.5	180	
B-8M	7/18/11	11:30	7.02	1.54	57.3	700	
B-9M	7/12/11	11:05	6.8	0.77	56.5	15	
B-10M	7/20/11	11:45	6.23	1.44	57.3	3.6	
B-11M	7/18/11	10:30	6.93	2.02	61.8	360	
B-12M	7/13/11	12:25	6.84	0.97	54.8	260	
B-13M	1/25/00	12:45	6.78	1.30	54.9	1	
B-14M	7/18/11	9:50	6.19	1.08	55.2	450	
B-15M	7/12/11	10:05	6.92	1.34	53.4	20	
B-16M	7/25/11	13:45	7.24	1.44	55.9	65	
B-17M	7/13/11	9:15	6.94	1.72	55.0	110	
B-18M	7/18/11	11:10	7.17	1.48	58.6	65	
B-19M	7/12/11	13:35	7.13	1.57	56.2	1	
B-20M	7/21/11	11:45	7.13	1.63	55.0	1.1	
B-21M	7/25/11	10:40	7.17	0.94	56.0	11	
B-22M	7/25/11	9:55	7.25	1.23	55.5	8.1	
B-23M	7/21/11	14:20	6.90	1.24	57.7	1.0	
B-26M	7/18/11	13:45	6.46	1.08	55.1	15	
B-28M	7/25/11	9:16	6.93	1.30	57.7	49	
B-29M	7/21/11	13:40	6.99	1.34	57.0	3.5	
B-31M	7/18/11	12:50	7.47	0.90	58.1	140	
B-32M	7/19/11	12:45	7.03	1.44	54.7	4.3	
B-33M	7/19/11	13:35	6.92	1.26	57.2	7.5	
B-34M	7/19/11	11:40	7.0	1.20	53.7	75	
B-38M	7/25/11	11:30	6.55	1.06	53.6	11	
B-39M	7/20/11	8:30	6.70	1.13	56.5	1.2	
B-40M	7/20/11	9:15	6.88	1.69	55.1	5.3	
B-41M	7/20/11	10:20	6.75	1.11	54.9	1.1	
B-42M	7/13/11	10:45	6.96	0.93	58.0	2.7	
B-43M	7/13/11	10:10	6.86	1.36	57.4	2.2	
B-44M	7/13/11	8:05	6.8	2.89	57.5	16	
B-45M	7/19/11	8:55	7.06	2.1	56.0	325	
B-46M	7/19/11	9:10	7.19	1.35	55.6	95	
B-48M	7/20/11	13:00	6.23	0.90	57.1	1.1	
B-49M	7/20/11	13:55	6.84	2.87	56.4	45	
B-50M	7/21/11	12:45	7.16	0.87	55.3	1.2	
B-52M	7/21/11	10:20	7.06	1.19	56.4	>1100	
B-53M	7/21/11	9:35	7.35	0.97	54.9	2	
B-54M	7/21/11	9:15	10.46	1.42	54.8	1.1	
B-55M	7/21/11	8:30	6.89	3.82	54.9	4.1	
B-56M	7/19/11	11:00	7.03	1.37	54.1	200	
B-57M	7/19/11	10:45	6.93	2.2	54.5	13	
B-58M	7/19/11	9:55	7.51	1.38	55.1	40	
B-59M	7/12/11	8:45	6.9	1.4	55.1	210	
B-60M	7/12/11	9:35	6.86	1.81	54.4	3.7	
B-61M	7/12/11	10:35	7.31	0.95	54.9	11	
B-62M	7/26/11	13:55	7.26	3.21	53.8	9.5	
B-63M	7/26/11	12:15	7.30	1.11	52.8	15	*turbidity meter could not be calibrated properly
B-64M	7/26/11	11:15	7.45	0.81	52.8	1	*turbidity meter could not be calibrated properly
B-65M	7/26/11	10:30	7.21	2.47	53.6	8.0	*turbidity meter could not be calibrated properly
B-66M	7/26/11	9:45	7.38	1.22	52.5	1.6	*turbidity meter could not be calibrated properly
B-67M	7/26/11	9:00	6.47	1.40	52.7	2.3	*turbidity meter could not be calibrated properly

* = turbidity is estimated due to poor meter calibration.

TABLE 4
MONITORING WELL GROUNDWATER ANALYTICAL RESULT SUMMARY
JULY 2011 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Well Id	Lab Sample ID	Sample Date	Carbon Tetra-chloride ug/l	Chloro-form ug/l	1,1-Dichloro-ethane ug/l	1,1-Dichloro-ethene ug/l	Methyl-ene chloride ug/l	trans-1,2-Dichloro-ethene ug/l	cis-1,2-Dichloro-ethene ug/l	total-1,2-Dichloro-ethene ug/l	1,1,1-Trichloro-ethane ug/l	Trichloro-ethene ug/l	Vinyl chlor-ide ug/l	Tetrachloro-ethene ug/l
P-2	6352280	7/20/2011	< 5	< 4	98	25	< 10	11 J	1600	1611	630	6000	57	< 4
P-3	6342651	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	4.8 J	110	114.8	< 0.8	1 J	< 1	< 0.8
P-4	6352288	7/20/2011	< 2	< 1.6	29	7.8 J	< 4	10	750	760	7.8 J	1400	< 2	< 1.6
PW-1	6343975	7/13/2011	< 1	< 0.8	10	4.3 J	< 2	4.7 J	460	464.7	5.6	1700	42	< 0.8
PW-3	6348763	7/18/2011	< 5	< 4	< 5	8.7 J	< 10	6.9 J	1300	1306.9	< 4	3100	26	< 4
PW-4	6352279	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	13	13	< 0.8	110	< 1	< 0.8
B- 3M	6342650	7/12/2011	< 1	< 0.8	2.6 J	1.4 J	< 2	4.1 J	200	204.1	1.1 J	54	25	< 0.8
B- 4M	6343981	7/13/2011	< 1	< 0.8	< 1	< 0.8	< 2	2.2 J	59	61.2	< 0.8	7.1	11	< 0.8
B- 5M	6355555	7/25/2011	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	22	23.1	< 0.8	150	1.3 J	< 0.8
B- 6M	6353674	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	16	16	< 0.8	190	< 1	< 0.8
B- 7M	6348760	7/18/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.5 J	1.5	< 0.8	4.6 J	< 1	< 0.8
B- 8M	6348766	7/18/2011	< 200	< 160	< 200	< 160	< 400	< 160	5400	5400	< 160	83000	400 J	< 160
B- 9M	6342647	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	1.1 J	< 1	< 0.8
B-10M	6352277	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.1 J	4.1	2.5 J	32	< 1	< 0.8
B-11M	6348762	7/18/2011	< 1	< 0.8	< 1	< 0.8	< 2	2.1 J	60	62.1	< 0.8	370	< 1	20
B-12M	6343978	7/13/2011	< 2	< 1.6	8.9 J	2.7 J	< 4	3.2 J	120	123.2	14	650	< 2	< 1.6
B-13M	6342652	7/12/2011	< 1	< 0.8	12	3.9 J	< 2	7.4	450	457.4	1.5 J	380	16	< 0.8
B-14M	6348761	7/18/2011	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	64	65.1	< 0.8	360	< 1	4.3 J
B-15M	6342642	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-16M	6355558	7/25/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1.1 J	1.1	< 0.8	< 1	< 1	< 0.8
B-17M	6343974	7/13/2011	< 10	< 8	150	47 J	< 20	47 J	11000	11047	32 J	6600	1200	< 8
B-18M	6348765	7/18/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	8.1	8.1	< 0.8	< 1	4.6 J	< 0.8
B-19M	6342653	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2.8 J	2.8	< 0.8	< 1	< 1	< 0.8
B-20M	6353675	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-21M	6355562	7/25/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-22M	6355561	7/25/2011	< 1	< 0.8	< 1	< 0.8	< 2	2.3 J	93	95.3	< 0.8	26	1.3 J	< 0.8
B-23M	6353678	7/21/2011	< 1	< 0.8	1.1 J	< 0.8	< 2	0.86 J	260	260.86	< 0.8	3.7 J	28	< 0.8
B-24M	6350144	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	1 J	1	< 0.8	3.5 J	< 1	< 0.8
B-26M	6348769	7/18/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	8.9	< 1	< 0.8
B-28M	6355560	7/25/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-29M	6353677	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.8	5.8	< 0.8	< 1	< 1	< 0.8
B-31M	6348770	7/18/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	5.1	5.1	< 0.8	< 1	< 1	< 0.8
B-32M	6350148	7/19/2011	< 1	< 0.8	1 J	< 0.8	< 2	1.4 J	54	55.4	< 0.8	15	4.7 J	< 0.8
B-33M	6350147	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-38M	6355559	7/25/2011	< 1	< 0.8	1.1 J	< 0.8	< 2	1.1 J	51	52.1	< 0.8	28	2 J	< 0.8
B-39M	6352281	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	0.88 J	0.88	< 0.8	2.2 J	< 1	< 0.8
B-40M	6352282	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	3.4 J	3.4	< 0.8	2 J	< 1	< 0.8
B-41M	6352283	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	4.9 J	4.9	< 0.8	< 1	< 1	< 0.8
B-42M	6343977	7/13/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	6.9	6.9	< 0.8	2.6 J	< 1	< 0.8
B-43M	6343976	7/13/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	11	11	< 0.8	3.8 J	5.1	< 0.8
B-44M	6343973	7/13/2011	< 1	< 0.8	11	< 0.8	< 2	< 0.8	12	12	< 0.8	5.9	7.1	< 0.8
B-45M	6350146	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-46M	6350138	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	38	38	< 0.8	8.9	3 J	< 0.8
B-48M	6352284	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	1.2 J	< 1	< 0.8
B-49M	6352287	7/20/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-50M	6353676	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	1 J	13	14	< 0.8	53	< 1	< 0.8
B-52M	6353671	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-53M	6353670	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	2 J	2	< 0.8	9.3	< 1	< 0.8
B-54M	6353669	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-55M	6353668	7/21/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-56M	6350139	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	1.1 J	23	24.1	< 0.8	140	< 1	< 0.8
B-57M	6350145	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-58M	6350142	7/19/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-59M	6342643	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-60M	6342644	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-61M	6342645	7/12/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-62M	6357495	7/26/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-63M	6357496	7/26/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-64M	6357497	7/26/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-65M	6357501	7/26/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-66M	6357502	7/26/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8
B-67M	6357503	7/26/2011	< 1	< 0.8	< 1	< 0.8	< 2	< 0.8	< 0.8	< 0.8	< 0.8	< 1	< 1	< 0.8

TABLE 5
GROUNDWATER REMEDIATION SYSTEM PERFORMANCE SUMMARY
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Well	Category	Units	July 2011	August 2011	September 2011
		Days			
P-2	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.89	0.81	0.77
	Total Flow	(gal)	39,067	35,828	32,924
	VOC Concentration	(ppb)	8,421.	8,421.	8,421.
	Total Contaminant Removed	(lbs)	2.7	2.5	2.3
	% of Total Flow		0.92%	0.84%	0.85%
P-3	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.01	0.01	0.01
	Total Flow	(gal)	167	63	12
	VOC Concentration	(ppb)	115.8	115.8	115.8
	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)	0.39	0.06	0.02
	Total Flow	(gal)	17,028	2,451	723
	VOC Concentration	(ppb)	2,204.6	2,204.6	2,204.6
	Total Contaminant Removed	(lbs)	0.3	0.0	0.0
	% of Total Flow		0.40%	0.06%	0.02%
PW-1	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	18.1	19.5	15.1
	Total Flow	(gal)	791,988	861,530	644,860
	VOC Concentration	(ppb)	2,226.6	2,226.6	2,226.6
	Total Contaminant Removed	(lbs)	14.7	16.0	12.0
	% of Total Flow		18.60%	20.23%	16.72%
PW-3	Uptime	(%)	100%	100%	100%
	Average Flow	(gpm)	0.1	0.1	0.1
	Total Flow	(gal)	4,874	4,951	3,164
	VOC Concentration	(ppb)	4,441.6	4,441.6	4,441.6
	Total Contaminant Removed	(lbs)	0.2	0.2	0.1
	% of Total Flow		0.11%	0.12%	0.08%
PW-4	Uptime	(%)	100%	99%	65%
	Average Flow	(gpm)	77.9	76.8	74.2
	Total Flow	(gal)	3,403,952	3,353,934	3,175,742
	VOC Concentration	(ppb)	123.	123.	123.
	Total Contaminant Removed	(lbs)	3.5	3.4	3.3
	% of Total Flow		79.96%	78.75%	82.33%
GRS Total	Uptime	(%)	100%	100%	94%
	Average Flow	(gpm)	86.3	86.1	81.2
	Total Flow-Mechanical Effluent Meter	(gal)	3,852,124	3,841,482	3,506,521
	VOCs to Influent	(ppm)	588	603	495
	Total Contaminant Removed	(lbs)	18.9	19.3	14.5

Notes:

1. For the period of 7/01/11 to 9/30/11.
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. VOC Concentration (in a given well) equals the sum of the compounds cis-1,2-DCE, trans-1,2-DCE, PCE, and TCE.
6. GRS total contaminant removed is based on the percentage of flow through the effluent meter.
7. Total flow measured at the wellheads may differ from total flow through the effluent meter.

APPENDIX A

MONITORING WELL SAMPLING FIELD FORMS

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

Monitoring Well I.D.: P-2 Date: 7/20/11 Time Started: 1230 Field Personnel: RC Becken
 Weather Conditions: Sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) Riser Pipe Diameter (in) 10 1/2 in.
 Measured Water Level (TOR - ft) Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) FiveWell Volumes (gals.)
 Notes:

Well Conditions

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

Purge Information

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

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

Comments:

Sampling Information

Date: 7/20/11 Time Sampled: 1230 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 22.6
 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>P-2</u>	<u>62.4</u>	<u>7.03</u>	<u>167</u>	<u>0.85</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/20/11

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

Monitoring Well I.D.: P-3 Date: 7/12/11 Time Started: 1210 Field Personnel: RC Becken
 Weather Conditions: Sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) Riser Pipe Diameter (in) 8 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" = 2.00
 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: NA
 Paint Condition: OK Repair Required: NA
 Lock Condition: OK Repair Required:
 Inner Casing Condition: OK Repair Required:
 Surface Seal Condition: OK Repair Required:
 Other:

Purge Information

Purging Method (Circle one): Stainless Steel 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: 7/12/11 Time Sampled: 1210 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 25.96

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>P-3</u>	<u>54.6</u>	<u>6.95</u>	<u>1.62</u>	<u>1</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: P-4 Date: 7/18/11 Time Started: 1505 Field Personnel: RC Becken
 Weather Conditions: Sunny hot wind
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) Riser Pipe Diameter (in) 8.3 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: 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: 7/20/11 Time Sampled: 1505 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 27.3
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>P-4</u>	<u>27.2</u> <u>59.6</u>	<u>7.32</u>	<u>1.21</u>	<u>4.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/20/11

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

Monitoring Well I.D.: PW-1 Date: 7/13/11 Time Started: 1030 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) <u>10 in.</u>
Measured Water Level (TOR - ft)	Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
Calculated Water Column Height (ft)	(Circle One) 4" = 0.66 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 (NTUs)	Comments

Comments:

Sampling Information

Date: 7/13/11 Time Sampled: 1030 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 19.41
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>PW-1</u>	<u>57.7</u>	<u>7.05</u>	<u>1.62</u>	<u>2.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/13/11

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

Monitoring Well I.D.: PW-3 Date: 7/18/11 Time Started: 1050 Field Personnel: RC Becken
 Weather Conditions: overcast but hazy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in) <u>6</u> 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: 7/18/11 Time Sampled: 1050 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 12.0
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>PW-3</u>	<u>61.5</u>	<u>6.82</u>	<u>0.29</u>	<u>34</u>	

QA/QC Samples Taken: Field dup #3

Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): <u>Richard C Becken</u>	Date: <u>7/18/11</u>
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O&M Enterprises, Inc.
MONITORING WELL SAMPLING FIELD FORM
 BP, Sanborn, NY

Monitoring Well I.D.: PW-4 Date: 7/20/11 Time Started: 1235 Field Personnel: RC Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (in)	<u>6.2</u> 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: <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: 7/20/11 Time Sampled: 1235 Field Personnel: R C Becken

Measured Water Level (TOR ft): 15.7

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>PW-4</u>	<u>52.0</u>	<u>6.22</u>	<u>0.88</u>	<u>0.5</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):

Richard C. Becken

Sampler (signature):

[Signature]

Date: 7/20/11

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

Monitoring Well I.D.: B-3 Date: 7/12/11 Time Started: 1135 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 25.0 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 20.28 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 4.72 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.8 Five Well Volumes (gals.) 4

Notes:

Well Conditions

Well Riser Type (Circle one): Stainless Steel Carbon Steel PVC
 Casing Condition: OK Repair Required:
 Cap Condition: OK Repair Required:
 Paint Condition: OK Repair Required:
 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 F)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.8</u>	<u>~1.8</u>	<u>60.5</u>	<u>1.34</u>	<u>250</u>	
	<u>~1.6</u>	<u>54.5</u>	<u>1.16</u>	<u>220</u>	
	<u>~2.4</u>	<u>33.1</u>	<u>1.06</u>	<u>75</u>	
	<u>~3.2</u>	<u>52.8</u>	<u>1.05</u>	<u>90</u>	

Comments: total purged 4.5 gal

Sampling Information

Date: 7/12/11 Time Sampled: 1200 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 20.31

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

Sample ID	Temperature (deg F)	pH (S.M.T)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-3</u>	<u>52.8</u>	<u>6.82</u>	<u>1.06</u>	<u>1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/12/11

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

Monitoring Well I.D.: B-5 Date: 7/25/11 Time Started: 1300 Field Personnel: RC Becken
 Weather Conditions: partial sun hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 31.01 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 17.25 Conversion Factor (gal/lineal ft) 1.25" = 0.08 3" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 13.76 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.34 Five Well Volumes (gals.) 11.7

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg F)	Specific Conductivity (uS/cm)	Turbidity (NTU's)	Comments
<u>2.34</u>	<u>~2.3</u>	<u>57.0</u>	<u>0.70</u>	<u>150</u>	
	<u>~4.6</u>	<u>56.3</u>	<u>0.73</u>	<u>100</u>	
	<u>~6.9</u>	<u>56.2</u>	<u>0.74</u>	<u>12</u>	
	<u>~9.2</u>	<u>55.6</u>	<u>0.76</u>	<u>11</u>	

Comments: total purged 12 gal

Sampling Information

Date: 7/25/11 Time Sampled: 1335 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 17.09
 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 (uS/cm)	Turbidity (NTU's)	Comments
<u>B-5</u>	<u>57.2</u>	<u>6.58</u>	<u>0.79</u>	<u>99</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/25/11

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

Monitoring Well I.D.: B-6 Date: 7/21/11 Time Started: 1130 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 19.1 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 11.54 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 7.56 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.29 Five Well Volumes (gals.) 6.4

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>1.29</u>	<u>~1.25</u>	<u>56.2</u>	<u>1.85</u>	<u>370</u>	
	<u>~2.5</u>	<u>54.8</u>	<u>1.74</u>	<u>250</u>	<u>well dry</u>

Comments: total purged 2.5 gal

Sampling Information

Date: 7/21/11 Time Sampled: 1210 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 17.0
 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-6</u>	<u>54.8</u>	<u>7.62</u>	<u>1.38</u>	<u>320</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/11

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

Monitoring Well I.D.: B-7 Date: 7/18/11 Time Started: 905 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 21.91 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 11.4 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 10.51 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.79 Five Well Volumes (gals.) 8.9

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>1.79</u>	<u>~1.8</u>	<u>57.8</u>	<u>0.87</u>	<u>500</u>	
	<u>~3.6</u>	<u>54.0</u>	<u>0.86</u>	<u>550</u>	
	<u>~5.2</u>	<u>53.0</u>	<u>0.87</u>	<u>450</u>	
	<u>~7</u>	<u>52.4</u>	<u>0.87</u>	<u>200</u>	

Comments: total purged 9 gal

Sampling Information

Date: 7/18/11 Time Sampled: 0940 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 11.41
 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	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-7</u>	<u>52.5</u>	<u>6.52</u>	<u>0.87</u>	<u>180</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/18/11

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

Monitoring Well I.D.: B-8 Date: 7/18/11 Time Started: 1130 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 17.8 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 12.04 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.47 3" = 0.38
 Calculated Water Column Height (ft) 5.76 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.80
 One Well Volume (gals.) 0.98 Five Well Volumes (gals.) 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 (NTU/s)	Comments
<u>0.98</u>	<u>~1</u>	<u>56.0</u>	<u>1.82</u>	<u>71100</u>	
	<u>~2</u>	<u>55.5</u>	<u>1.62</u>	<u>71100</u>	
	<u>~3</u>	<u>55.1</u>	<u>1.58</u>	<u>71100</u>	
	<u>~4</u>	<u>55.7</u>	<u>1.53</u>	<u>950</u>	

Comments: total purged 3 gal

Sampling Information

Date: 7/18/11 Time Sampled: 1210 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 13.07
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
<u>B-8</u>	<u>57.3</u>	<u>7.02</u>	<u>1.54</u>	<u>700</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/18/11

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

Monitoring Well I.D.: B-9 Date: 7/12/11 Time Started: 1105 Field Personnel: RC Becken
 Weather Conditions: Sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 21.13 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 12.73 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 8.4 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.80
 One Well Volume (gals.) 1.43 Five Well Volumes (gals.) 7.15

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 F)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.43</u>	<u>~1.5</u>	<u>60.59</u>	<u>0.62</u>	<u>15</u>	
	<u>~3</u>	<u>56.8</u>	<u>0.63</u>	<u>180</u>	
	<u>~4.5</u>	<u>56.6</u>	<u>0.65</u>	<u>13</u>	
	<u>~6</u>	<u>55.4</u>	<u>0.71</u>	<u>1</u>	

Comments: total purged ~7.5

Sampling Information

Date: 7/12/11 Time Sampled: 1125 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 12.85
 Sampling Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other:

Sample ID	Temperature (deg F)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-9</u>	<u>56.5</u>	<u>6.8</u>	<u>0.77</u>	<u>15</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

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

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

Monitoring Well I.D.: B-10 Date: 7/20/14 Time Started: 1145 Field Personnel: RC Becken
 Weather Conditions: hot sunny humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 27.83 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 14.74 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 13.14 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.2 Five Well Volumes (gals.) 11

Notes:

Well Conditions

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

Purge Information

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>63.7</u>	<u>1.30</u>	<u>45</u>	
	<u>4.4</u>	<u>57.2</u>	<u>1.38</u>	<u>100</u>	
	<u>6.6</u>	<u>55.8</u>	<u>1.40</u>	<u>110</u>	
	<u>8.8</u>	<u>55.5</u>	<u>1.43</u>	<u>120</u>	

Comments: total purged 11 gal

Sampling Information

Date: 7/20/14 Time Sampled: 1225 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 16.66
 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 (pH)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-10</u>	<u>57.5</u>	<u>6.23</u>	<u>1.44</u>	<u>3.6</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/20/14

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

Monitoring Well I.D.: B-11 Date: 7/18/11 Time Started: 1030 Field Personnel: RC Becken
 Weather Conditions: overcast light rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 23.9 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 17.31 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 6.49 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.1 Five Well Volumes (gals.) 5.5

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>1.1</u>	<u>~1.1</u>	<u>57.1</u>	<u>1.75</u>	<u>71100</u>	<u>well dry</u>
	<u>~2.2</u>	<u>54.7</u>	<u>1.80</u>	<u>> 1100</u>	
	<u>~3.3</u>				
	<u>~4.4</u>				

Comments: total purged ~ 2.2

Sampling Information

Date: 7/18/11 Time Sampled: 1230 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 17.02
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-11</u>	<u>61.8</u>	<u>6.93</u>	<u>2.02</u>	<u>360</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/18/11

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

Monitoring Well I.D.: B-12 Date: 7/13/11 Time Started: 1225 Field Personnel: RC Becken

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>21.86</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>17.12</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>4.74</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>0.8</u>	Five Well Volumes (gals.) <u>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:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>0.8</u>	<u>~1.5</u>	<u>56.3</u>	<u>0.89</u>	<u>550</u>	
	<u>~1.5</u>	<u>55.0</u>	<u>0.91</u>	<u>553</u>	
	<u>~2.25</u>	<u>54.0</u>	<u>0.92</u>	<u>650</u>	
	<u>~3</u>	<u>53.8</u>	<u>0.94</u>	<u>480</u>	

Comments: total purged 4 gal

Sampling Information

Date: 7/13/11 Time Sampled: 1300 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 17.15

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-12</u>	<u>54.8</u>	<u>6.84</u>	<u>0.97</u>	<u>260</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/13/11

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

Monitoring Well I.D.: B-13 Date: 7/12/11 Time Started: 1245 Field Personnel: RC Becken

Weather Conditions: Sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 36.0 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 25.51 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 10.49 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.78 Five Well Volumes (gals.) 8.9

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 Bailer Peristaltic Pump Sample Port (Pumping Wells Only)

Teflon Bailer

Polyethylene Bailer

Other: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.78</u>	<u>~1.25</u>	<u>60.83</u>	<u>1.58</u>	<u>1</u>	
	<u>~3.5</u>	<u>57.1</u>	<u>1.19</u>	<u>1</u>	
	<u>~5</u>	<u>56.3</u>	<u>1.15</u>	<u>1</u>	
	<u>~6.5</u>	<u>55.9</u>	<u>1.10</u>	<u>1</u>	

Comments: total purged 9 gal

Sampling Information

Date: 7/12/11 Time Sampled: 1320 Field Personnel: R C Becken

Measured Water Level (TOR ft): 25.63

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	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-13</u>	<u>54.9</u>	<u>6.78</u>	<u>1.30</u>	<u>1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/13/11

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

Monitoring Well I.D.: B-14 Date: 7/18/11 Time Started: 0950 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 15.78 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) 2.5 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.4 Five Well Volumes (gals.) 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>.4</u>	<u>~.4</u>	<u>52.5</u>	<u>1.17</u>	<u>900</u>	
	<u>~.8</u>	<u>55.0</u>	<u>1.29</u>	<u>700</u>	
	<u>~1.2</u>	<u>54.7</u>	<u>1.09</u>	<u>600</u>	
	<u>~1.6</u>	<u>54.6</u>	<u>1.08</u>	<u>700</u>	

Comments: total purged 2 gal

Sampling Information

Date: 7/18/11 Time Sampled: 1025 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 13.25
 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-14</u>	<u>55.2</u>	<u>6.19</u>	<u>1.08</u>	<u>450</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/18/11

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

Monitoring Well I.D.: B-15 Date: 7/12/11 Time Started: 1005 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 24.11 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.82 Conversion Factor (gal/lineal ft) 1.25" = 0.08 ~~2" = 0.17~~ 3" = 0.38
 Calculated Water Column Height (ft) 10.29 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.75 Five Well Volumes (gals.) 8.75

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg. C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.75</u>	<u>1.75</u>	<u>53.3</u>	<u>1.36</u>	<u>18</u>	
	<u>2.5</u>	<u>53.8</u>	<u>1.32</u>	<u>17</u>	
	<u>3.75</u>	<u>54.0</u>	<u>1.27</u>	<u>18</u>	
	<u>5.0</u>	<u>54.7</u>	<u>1.29</u>	<u>18</u>	

Comments: total purged 9 gal

Sampling Information

Date: 7/12/11 Time Sampled: 1030 Field Personnel: R C Becken

Measured Water Level (TOR ft): 18.63

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 (pH)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-15</u>	<u>53.4</u>	<u>6.92</u>	<u>1.34</u>	<u>20</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-16 Date: 7/25/11 Time Started: 1345 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 25.2 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 20.31 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 4.89 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.83 Five Well Volumes (gals.) 4.15

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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>0.83</u>	<u>~25</u>	<u>60.5</u>	<u>1.49</u>	<u>72</u>	
	<u>~1.5</u>	<u>57.5</u>	<u>1.45</u>	<u>120</u>	
	<u>~2.25</u>	<u>55.6</u>	<u>1.45</u>	<u>60</u>	
	<u>~3</u>	<u>54.9</u>	<u>1.46</u>	<u>32</u>	

Comments:

Sampling Information

Date: 7/25/11 Time Sampled: 1410 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 20.31
 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-16</u>	<u>55.9</u>	<u>7.24</u>	<u>1.44</u>	<u>65</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/25/11

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

Monitoring Well I.D.: B-17 Date: 7/13/11 Time Started: 8915 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 26.01 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 18.94 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 7.07 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.2 Five Well Volumes (gals.) 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>1.2</u>	<u>~1.2</u>	<u>57.9</u>	<u>1.74</u>	<u>160</u>	
	<u>~2.4</u>	<u>55.8</u>	<u>1.66</u>	<u>110</u>	
	<u>~3.6</u>	<u>55.9</u>	<u>1.73</u>	<u>1100</u>	
	<u>~4.8</u>	<u>55.6</u>	<u>1.70</u>	<u>90</u>	

Comments: total purged 6 gal

Sampling Information

Date: 7/13/11 Time Sampled: 0940 Field Personnel: RC Becken

Measured Water Level (TOR ft): 24.71

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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-17</u>	<u>55.0</u>	<u>6.94</u>	<u>1.72</u>	<u>110</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/13/11

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

Monitoring Well I.D.: B-18 Date: 7/18/11 Time Started: 1110 Field Personnel: RC Becken
 Weather Conditions: overcast hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 50.32 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 14.47 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.47 3" = 0.38
 Calculated Water Column Height (ft) 35.85 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.1 Five Well Volumes (gals.) 30.5

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>6.1</u>	<u>~6.1</u>	<u>56.8</u>	<u>1.33</u>	<u>8.3</u>	
	<u>~12.2</u>	<u>56.8</u>	<u>1.40</u>	<u>18</u>	
	<u>~18.3</u>	<u>57.8</u>	<u>1.59</u>	<u>1</u>	
	<u>~24.4</u>	<u>57.8</u>	<u>1.67</u>	<u>1</u>	

Comments: total purged 31 gal

Sampling Information

Date: 7/18/11 Time Sampled: 1220 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 44.1
 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-18</u>	<u>58.6</u>	<u>7.17</u>	<u>1.48</u>	<u>65</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/18/11

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

Monitoring Well I.D.: B-19 Date: 7/12/11 Time Started: 1335 Field Personnel: RC Becken
 Weather Conditions: sunny hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) ~~36.1~~ 26.13 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 23.1 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.47 3" = 0.38
 Calculated Water Column Height (ft) 43.03 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 7.32 Five Well Volumes (gals.) 36.6
 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: perge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>7.32</u>	<u>~7.5</u>	<u>55.2</u>	<u>1.58</u>	<u>1</u>	
	<u>~15</u>	<u>55.2</u>	<u>1.62</u>	<u>1</u>	
	<u>~22</u>	<u>55.1</u>	<u>1.63</u>	<u>1</u>	
	<u>~29.5</u>	<u>55.1</u>	<u>1.64</u>	<u>1</u>	

Comments: total purged 37. gal

Sampling Information

Date: 7/12/11 Time Sampled: 1430 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 25.7
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-19</u>	<u>56.2</u>	<u>7.13</u>	<u>1.57</u>	<u>1</u>	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: B-20 Date: 7/21/11 Time Started: 1145 Field Personnel: RC Becken

Weather Conditions:

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>49.91</u>	Riser Pipe Diameter (in)	<u>2 in.</u>
Measured Water Level (TOR - ft)	<u>11.47</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft)	<u>38.44</u>	(Circle One)	4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.)	<u>6.53</u>	FiveWell Volumes (gals.)	<u>33</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg.C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.53</u>	<u>~6.5</u>	<u>57.5</u>	<u>1.08</u>	<u>1.5</u>	
	<u>~13</u>	<u>57.7</u>	<u>1.63</u>	<u>1</u>	
	<u>~20</u>	<u>56.5</u>	<u>1.61</u>	<u>1</u>	
	<u>~26</u>	<u>56.6</u>	<u>1.61</u>	<u>.80</u>	

Comments: total purge 33 gal

Sampling Information

Date: 7/21/11 Time Sampled: 1240 Field Personnel: RC Becken

Measured Water Level (TOR ft): 16.15

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-20</u>	<u>55.0</u>	<u>7.13</u>	<u>1.63</u>	<u>1.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/11

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

Monitoring Well I.D.: B-21 Date: 7/25/11 Time Started: 1040 Field Personnel: RC Becken
 Weather Conditions: overcast warm humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 26.63 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 8.4 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 8.23 (Circle One) 4" = 0.68 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.4 Five Well Volumes (gals.) 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: NA
 Lock Condition: OK Repair Required: NA
 Inner Casing Condition: OK Repair Required:
 Surface Seal Condition: OK Repair Required:

Other:

Purge Information

Purging Method (Circle one): Stainless Steel 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>1.4</u>	<u>~1.5</u>	<u>58.5</u>	<u>0.97</u>	<u>1.1</u>	
	<u>~3</u>	<u>55.0</u>	<u>0.94</u>	<u>14.1</u>	
	<u>~4.5</u>	<u>54.5</u>	<u>0.93</u>	<u>12.6</u>	
	<u>~6</u>	<u>54.3</u>	<u>0.95</u>	<u>15</u>	

Comments: total purged 7 gal

Sampling Information

Date: 7/25/11 Time Sampled: 1115 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 20.2

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.M.)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-21</u>	<u>56.0</u>	<u>7.17</u>	<u>0.94</u>	<u>11</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print):

Richard C. Becken

Sampler (signature):

Richard C. Becken

Date: 7/25/11

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

Monitoring Well I.D.: B-22 Date: 7/25/11 Time Started: 0955 Field Personnel: RC Becken
 Weather Conditions: overcast warm humid light rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 35.92 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 29.51 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 6.41 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.09 Five Well Volumes (gals.) 5.45

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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>1.09</u>	<u>~1</u>	<u>57.5</u>	<u>1.47</u>	<u>76</u>	
	<u>~2</u>	<u>55.3</u>	<u>1.37</u>	<u>16</u>	
	<u>~3</u>	<u>54.2</u>	<u>1.28</u>	<u>24</u>	
	<u>~4</u>	<u>53.9</u>	<u>1.26</u>	<u>14</u>	

Comments: total purged 6 gal

Sampling Information

Date: 7/25/11 Time Sampled: 1030 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 31.7
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-22</u>	<u>55.5</u>	<u>7.25</u>	<u>1.23</u>	<u>8.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/25/11

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

Monitoring Well I.D.: B-23 Date: 7/21/11 Time Started: 1420 Field Personnel: RC Becken
 Weather Conditions: sunny but humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 31.7 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 26.37 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 5.33 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.9 Five Well Volumes (gals.) 4.5
 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 (NTUs)	Comments
<u>0.9</u>	<u>~1</u>	<u>51.8</u>	<u>1.13</u>	<u>6.75</u>	
	<u>~2</u>	<u>55.8</u>	<u>1.20</u>	<u>5.34</u>	
	<u>~3</u>	<u>55.9</u>	<u>1.23</u>	<u>4.76</u>	
	<u>~4</u>	<u>55.7</u>	<u>1.23</u>	<u>38</u>	

Comments:

Sampling Information

Date: 7/21/11 Time Sampled: 1445 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 27.81
 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	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-23</u>	<u>51.7</u>	<u>6.90</u>	<u>1.24</u>	<u>1.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/21/11

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

Monitoring Well I.D.: B-26 Date: 7/18/11 Time Started: 1345 Field Personnel: RC Becken
 Weather Conditions: Sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 30.1 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.64 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 16.46 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.8 Five Well Volumes (gals.) 14

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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>2.8</u>	<u>~2.8</u>	<u>58.7</u>	<u>1.07</u>	<u>50</u>	
	<u>~5.6</u>	<u>58.4</u>	<u>1.07</u>	<u>40</u>	
	<u>~7.4</u>	<u>55.5</u>	<u>1.09</u>	<u>26</u>	
	<u>~10.2</u>	<u>54.7</u>	<u>1.08</u>	<u>25</u>	

Comments: total purged 14 gal

Sampling Information

Date: 7/18/11 Time Sampled: 1430 Field Personnel: RC Becken
 Measured Water Level (TOR ft): 15.49
 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 (Sat.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-26</u>	<u>55.1</u>	<u>6.46</u>	<u>1.08</u>	<u>15</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/18/11

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

Monitoring Well I.D.: B-28 Date: 7/25/11 Time Started: 0916 Field Personnel: RC Becken
 Weather Conditions: light rain
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 34.5 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 28.81 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 5.69 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 0.97 FiveWell Volumes (gals.) 4.8

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: NA
 Lock Condition: OK Repair Required: NA
 Inner Casing Condition: OK Repair Required:
 Surface Seal Condition: OK Repair Required:
 Other:

Purge Information

Purging Method (Circle one): Stainless Steel 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>0.97</u>	<u>~1</u>	<u>58.3</u>	<u>1.21</u>	<u>71100</u>	
	<u>~2</u>	<u>55.3</u>	<u>1.21</u>	<u>390</u>	
	<u>~3</u>	<u>55.2</u>	<u>1.19</u>	<u>160</u>	
	<u>~4</u>	<u>53.9</u>	<u>1.19</u>	<u>140</u>	

Comments: total purged 5 gal

Sampling Information

Date: 7/25/11 Time Sampled: 0945 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 28.37
 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-28</u>	<u>57.7</u>	<u>6.93</u>	<u>1.35</u>	<u>49</u>	

QA/QC Samples Taken: Field Dup #7

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/25/11

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

Monitoring Well I.D.: B-29 Date: 7/21/11 Time Started: 1340 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>38.52</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>29.78</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.47</u> 3" = 0.38
Calculated Water Column Height (ft) <u>10.74</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>1.83</u>	Five Well Volumes (gals.) <u>9.1</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

Purging Method (Circle one): Stainless Steel Bailor Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailor Polyethylene Bailor Other: none pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.83</u>	<u>~1.8</u>	<u>58.7</u>	<u>1.35</u>	<u>5.1</u>	
	<u>~2.6</u>	<u>58.2</u>	<u>1.36</u>	<u>1.28</u>	
	<u>~5.4</u>	<u>57.8</u>	<u>1.31</u>	<u>2.7</u>	
	<u>~7.2</u>	<u>57.2</u>	<u>1.31</u>	<u>2.2</u>	

Comments: total purge 9.5

Sampling Information

Date: 7/21/11 Time Sampled: 1410 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 29.78
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-29</u>	<u>57.0</u>	<u>6.99</u>	<u>1.34</u>	<u>3.5</u>	

QA/QC Samples Taken: Field Dup #6

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/21/11

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

Monitoring Well I.D.: B-31 Date: 7/18/11 Time Started: 1250 Field Personnel: RC Becken

Weather Conditions: sunny hot humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>43.55</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>10.33</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>33.22</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>5.6</u>	FiveWell Volumes (gals.) <u>28.2</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (uS/cm)	Turbidity (NTU)	Comments
<u>5.6</u>	<u>~5.5</u>	<u>57.3</u>	<u>0.96</u>	<u>120</u>	
	<u>~11</u>	<u>56.0</u>	<u>0.95</u>	<u>29</u>	
	<u>~16.5</u>	<u>55.8</u>	<u>0.94</u>	<u>17</u>	
	<u>~22</u>	<u>55.9</u>	<u>0.96</u>	<u>13</u>	

Comments: total purged 29 gal

Sampling Information

Date: 7/18/11 Time Sampled: 1330 Field Personnel: R C Becken

Measured Water Level (TOR ft): 10.42

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 (SU)	Specific Conductivity (uS/cm)	Turbidity (NTU)	Comments
<u>B-31</u>	<u>58.1</u>	<u>7.47</u>	<u>0.98</u>	<u>140</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/18/11

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

Monitoring Well I.D.: B-32 Date: 7/19/11 Time Started: 1255 Field Personnel: RC Becken
 Weather Conditions: hot, humid sunny
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 40.5 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 33.66 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 6.84 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.16 Five Well Volumes (gals.) 5.8

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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.16</u>	<u>~1.2</u>	<u>60.1</u>	<u>1.66</u>	<u>3.0</u>	
	<u>~2.4</u>	<u>59.7</u>	<u>1.43</u>	<u>1.8</u>	
	<u>~3.6</u>	<u>59.5</u>	<u>1.45</u>	<u>1.2</u>	
	<u>~4.8</u>	<u>57.9</u>	<u>1.46</u>	<u>1.7</u>	

Comments: total purged 6 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1325 Field Personnel: R C Becken

Measured Water Level (TOR ft): 34.06

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 (S4)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-32</u>	<u>54.2</u>	<u>7.03</u>	<u>1.44</u>	<u>4.3</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/19/11

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

Monitoring Well I.D.: B-33 Date: 7/19/11 Time Started: 1835 Field Personnel: RC Becken

Weather Conditions: hot humid sunny

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>32.03</u>	Riser Pipe Diameter (in)	<u>2 in.</u>
Measured Water Level (TOR - ft)	<u>23.5</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft)	<u>8.53</u>	(Circle One)	4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.)	<u>1.45</u>	Five Well Volumes (gals.)	<u>7.25</u>

Notes:

Well Conditions

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

Casing Condition: OK Repair Required:

Cap Condition: OK Repair Required:

Paint Condition: OK Repair Required:

Lock Condition: OK Repair Required:

Inner Casing Condition: OK Repair Required:

Surface Seal Condition: OK Repair Required:

Other:

Purge Information

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>1.45</u>	<u>~1.5</u>	<u>62.8</u>	<u>1.33</u>	<u>4.00</u>	
	<u>~3.0</u>	<u>58.7</u>	<u>1.21</u>	<u>6.7</u>	
	<u>~4.5</u>	<u>59.4</u>	<u>1.24</u>	<u>5.6</u>	
	<u>~6</u>	<u>59.8</u>	<u>1.21</u>	<u>4.1</u>	

Comments: total purged 7.5 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1415 Field Personnel: R C Becken

Measured Water Level (TOR ft): 26.11

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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-33</u>	<u>57.2</u>	<u>6.92</u>	<u>1.26</u>	<u>7.5</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Becken

Date: 7/19/11

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

Monitoring Well I.D.: B-24 Date: 7/19/11 Time Started: 1140 Field Personnel: RC Becken
 Weather Conditions: Sunny humid hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>26.63</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>15.95</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>10.68</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>1.82</u>	Five Well Volumes (gals.) <u>9.1</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>1.82</u>	<u>~1.8</u>	<u>53.9</u>	<u>1.20</u>	<u>35</u>	
	<u>~3.6</u>	<u>53.2</u>	<u>1.19</u>	<u>12</u>	
	<u>~5.4</u>	<u>53.5</u>	<u>1.20</u>	<u>4.5</u>	
	<u>~7.1</u>	<u>52.5</u>	<u>1.21</u>	<u>1.7</u>	

Comments: total purged 10 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1205 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 16.08
 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-24</u>	<u>53.7</u>	<u>7.0</u>	<u>1.20</u>	<u>75</u>	

QA/QC Samples Taken:
 Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/19/11

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

Monitoring Well I.D.: **B-38** Date: **7/25/11** Time Started: **1130** Field Personnel: **RC Becken**
 Weather Conditions: **overcast warm humid**
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) **41.22** Riser Pipe Diameter (in) **2 in.**
 Measured Water Level (TOR - ft) **28.81** Conversion Factor (gal/lineal ft) **1.25" = 0.08** **2" = 0.17** **3" = 0.38**
 Calculated Water Column Height (ft) **12.41** (Circle One) **4" = 0.66** **6" = 1.50** **8" = 2.60**
 One Well Volume (gals.) **2.11** Five Well Volumes (gals.) **10.5**

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
2.11	~2.1	54.7	1.04	9	
	~4.2	53.6	1.03	11	
	~6.3	52.5	1.02	10	
	~8.4	52.2	1.02	12	

Comments: **total purged 11 gal**

Sampling Information

Date: **7/25/11** Time Sampled: **1215** Field Personnel: **R C Becken**
 Measured Water Level (TOR ft.): **31.22**
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
B-38	53.6	6.55	1.06	11	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): **Richard C. Becken** Sampler (signature): **[Signature]** Date: **7/25/11**

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

Monitoring Well I.D.: B-39 Date: 7/20/11 Time Started: 0830 Field Personnel: RC Becken

Weather Conditions: sunny hot humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 44 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 21.55 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 22.65 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.80
 One Well Volume (gals.) 3.85 FiveWell Volumes (gals.) 19.25

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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>3.85</u>	<u>~4</u>	<u>55.4</u>	<u>1.19</u>	<u>~10</u>	
	<u>~8</u>	<u>54.3</u>	<u>1.06</u>	<u>~10</u>	
	<u>~12</u>	<u>53.3</u>	<u>1.07</u>	<u>~10</u>	
	<u>~16</u>	<u>53.2</u>	<u>1.05</u>	<u>~10</u>	

Comments: total purged 20 gal

Sampling Information

Date: 7/20/11 Time Sampled: 0910 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 21.35

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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-39</u>	<u>56.5</u>	<u>6.70</u>	<u>1.13</u>	<u>1.2</u>	

QA/QC Samples Taken: Field Dup #5

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Beck Date: 7/20/11

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

Monitoring Well I.D.: B-40 Date: 7/20/11 Time Started: 0915 Field Personnel: RC Becken
 Weather Conditions: hot humid sunny
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 58.04 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 21.78 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 36.26 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.16 Five Well Volumes (gals.) 31

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>6.16</u>	<u>~6</u>	<u>55.5</u>	<u>1.42</u>	<u>~10</u>	
	<u>~12</u>	<u>54.9</u>	<u>1.26</u>	<u>~10</u>	
	<u>~19</u>	<u>55.3</u>	<u>1.20</u>	<u>~10</u>	
	<u>~25</u>	<u>55.2</u>	<u>1.21</u>	<u>~10</u>	

Comments: total purged 31 gal

Sampling Information

Date: 7/20/11 Time Sampled: 1000 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 38.27
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-40</u>	<u>55.1</u>	<u>6.88</u>	<u>1.69</u>	<u>5.3</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/20/11

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

Monitoring Well I.D.: **B-41** Date: **7/20/11** Time Started: **1020** Field Personnel: **RC Becken**
 Weather Conditions: **humid not sunny**
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) **72.6** Riser Pipe Diameter (in) **2 in.**
 Measured Water Level (TOR - ft) **22.91** Conversion Factor (gal/lineal ft) **1.25" = 0.08** **2" = 0.17** **3" = 0.38**
 Calculated Water Column Height (ft) **49.69** (Circle One) **4" = 0.68** **6" = 1.50** **8" = 2.60**
 One Well Volume (gals.) **8.45** Five Well Volumes (gals.) **42.2**

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
8.45	~8.5	54.8	1.54	~20	
	~17	54.9	1.64	~20	
	~25	55.0	1.76	~20	
	~33	54.0	1.85	~15	

Comments: **total purged 43 gal**

Sampling Information

Date: **7/20/11** Time Sampled: **1140** Field Personnel: **RC Becken**
 Measured Water Level (TOR ft.): **30.9**
 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
B-41	54.9	6.75	1.11	1.1	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): **Richard C. Becken** Sampler (signature): *Richard C. Becken* Date: **7/20/11**

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

Monitoring Well I.D.: B-42 Date: 7/13/11 Time Started: 1045 Field Personnel: RC Becken

Weather Conditions: sunny with

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>45.38</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>12.7</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>27.68</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.80</u>
One Well Volume (gals.) <u>4.71</u>	Five Well Volumes (gals.) <u>23.5</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: Purge Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (µS/cm)	Turbidity (NTU's)	Comments
<u>4.71</u>	<u>4.75</u>	<u>58.7</u>	<u>1.04</u>	<u>3.4</u>	
	<u>9.5</u>	<u>57.1</u>	<u>1.02</u>	<u>2.4</u>	
	<u>16</u>	<u>57.2</u>	<u>1.03</u>	<u>2.7</u>	
	<u>20</u>	<u>56.9</u>	<u>1.01</u>	<u>1.9</u>	

Comments: total purged 24 gal

Sampling Information

Date: 7/13/11 Time Sampled: 1140 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 12.62

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 (µS/cm)	Turbidity (NTU's)	Comments
<u>B-42</u>	<u>58.0</u>	<u>6.96</u>	<u>0.93</u>	<u>2.7</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/13/11

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

Monitoring Well I.D.: B-43 Date: 7/13/11 Time Started: 1010 Field Personnel: RC Becken

Weather Conditions: Sunny warm

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>18.94</u>	Conversion Factor (gal/lineal ft) <u>1.25" = 0.08</u> <u>0" = 0.17</u> <u>3" = 0.38</u>
Calculated Water Column Height (ft) <u>39.91</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>6.78</u>	Five Well Volumes (gals.) <u>34</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

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

Teflon Bailor

Polyethylene Bailor

Other: purge pump

Well Volume	Gallons Pumped (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>6.78</u>	<u>~6.75</u>	<u>59.1</u>	<u>1.62</u>	<u>2.6</u>	
	<u>~14.00</u>	<u>58</u>	<u>1.92</u>	<u>4.7</u>	<u>well dry at 16 gal</u>
	<u>~20</u>				
	<u>~27</u>				

Comments: total purge of 16 gal

Sampling Information

Date: 7/13/11 Time Sampled: 1055 Field Personnel: RC Becken

Measured Water Level (TOR ft): 49.91

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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-43</u>	<u>57.4</u>	<u>6.86</u>	<u>1.36</u>	<u>2.2</u>	

QA/QC Samples Taken: Field Dup #2

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C Beck

Date: 7/13/11

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

Monitoring Well I.D.: B-44 Date: 7/13/11 Time Started: 0805 Field Personnel: RC Becken
 Weather Conditions: sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 84.45 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 20.77 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 63.68 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 10.83 Five Well Volumes (gals.) 54.13

Notes:

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>10.83</u>	<u>~11</u>	<u>57.1</u>	<u>2.85</u>	<u>4.8</u>	
	<u>~22</u>	<u>57.6</u>	<u>2.77</u>	<u>3.1</u>	
	<u>~27</u>	<u>57.3</u>	<u>2.92</u>	<u>150</u>	<u>well dry</u>

Comments: total purged 27 gal

Sampling Information

Date: 7/13/11 Time Sampled: 1000 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 78.1
 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 (± 0.1)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-44</u>	<u>57.5</u>	<u>6.8</u>	<u>2.89</u>	<u>16</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/13/11

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

Monitoring Well I.D.: B-45 Date: 7/19/11 Time Started: 0855 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 24.81 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 22.63 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 2.18 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) .4 Five Well Volumes (gals.) 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 Pumped (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU)	Comments
<u>.4</u>	<u>.4</u>	<u>55.9</u>	<u>2.01</u>	<u>71100</u>	<u>well dry</u>

Comments: total purge 5.5 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1425 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 22.05

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)	Comments
<u>B-45</u>	<u>56.0</u>	<u>7.06</u>	<u>2.1</u>	<u>325</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/19/11

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

Monitoring Well I.D.: B-46 Date: 7/19/11 Time Started: 0910 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 39.91 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 24.48 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 15.43 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.62 Five Well Volumes (gals.) 13.1

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>2.62</u>	<u>~2.5</u>	<u>53.4</u>	<u>1.03</u>	<u>65</u>	
	<u>~5</u>	<u>53.5</u>	<u>1.03</u>	<u>22</u>	
	<u>~7.8</u>	<u>53.7</u>	<u>1.02</u>	<u>13</u>	
	<u>~11</u>	<u>53.3</u>	<u>1.03</u>	<u>7.7</u>	

Comments: total purged 14 gal

Sampling Information

Date: 7/19/11 Time Sampled: 0945 Field Personnel: RC Becken

Measured Water Level (TOR ft): 24.5

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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-46</u>	<u>53.6</u>	<u>7.19</u>	<u>1.35</u>	<u>95</u>	

QA/QC Samples Taken: Field Dup #1

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): [Signature]

Date: 7/19/11

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

Monitoring Well I.D.: B-48 Date: 7/20/11 Time Started: 1300 Field Personnel: RC Becken

Weather Conditions: sunny hot humid

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>46.89</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>21.04</u>	Conversion Factor (gal/lineal ft) <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>25.85</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>14.39</u>	Five Well Volumes (gals.) <u>22</u>

Notes:

Well Conditions

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

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

Other:

Purge Information

Purging Method (Circle one): Stainless Steel 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>4.39</u>	<u>~4.4</u>	<u>55.9</u>	<u>1.09</u>	<u>1.25</u>	
	<u>~8.8</u>	<u>54.6</u>	<u>1.10</u>	<u>1.63</u>	
	<u>~13.2</u>	<u>54.3</u>	<u>1.12</u>	<u>1.75</u>	
	<u>~18</u>	<u>54.6</u>	<u>1.12</u>	<u>2.3</u>	

Comments: total purged 22

Sampling Information

Date: 7/20/11 Time Sampled: 1350 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 21.02

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>B48</u>	<u>57.1</u>	<u>6.23</u>	<u>0.90</u>	<u>1.1</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/20/11

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

Monitoring Well I.D.: B-49 Date: 7/20/11 Time Started: 1355 Field Personnel: RC Becken
 Weather Conditions: Sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 82.45 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 28.82 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 53.63 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 9.12 Five Well Volumes (gals.) 45.6

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: peristaltic pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>9.12</u>	<u>~9.1</u>	<u>56.1</u>	<u>3.07</u>	<u>29</u>	
	<u>~18.2</u>	<u>56.2</u>	<u>3.08</u>	<u>13</u>	
	<u>~27.3</u>	<u>55.7</u>	<u>3.09</u>	<u>4.7</u>	
	<u>~36.4</u>	<u>56.4</u>	<u>3.11</u>	<u>1.8</u>	

Comments: total purged 46 gal

Sampling Information

Date: 7/20/11 Time Sampled: 1455 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 39.85
 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
<u>B-49</u>	<u>56.4</u>	<u>6.84</u>	<u>2.87</u>	<u>45</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/20/11

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

Monitoring Well I.D.: B-50 Date: 7/21/11 Time Started: 1245 Field Personnel: RC Becken

Weather Conditions: hot humid windy sunny

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>35.74</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>12.15</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>23.59</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>4.01</u>	Five Well Volumes (gals.) <u>20</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>4.01</u>	<u>~4</u>	<u>53.7</u>	<u>0.91</u>	<u>1.8</u>	
	<u>~8</u>	<u>53.6</u>	<u>0.88</u>	<u>1</u>	
	<u>~12</u>	<u>53.7</u>	<u>0.90</u>	<u>1</u>	
	<u>~16</u>	<u>53.3</u>	<u>0.91</u>	<u>1</u>	

Comments: total purged 20 gal

Sampling Information

Date: 7/21/11 Time Sampled: 1325 Field Personnel: R C Becken

Measured Water Level (TOR ft): 12.16

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-50</u>	<u>55.3</u>	<u>7.16</u>	<u>0.87</u>	<u>1.2</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/11

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

Monitoring Well I.D.: B-52 Date: 7/21/11 Time Started: 1020 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 22.4 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 11.91 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 10.49 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.78 FiveWell Volumes (gals.) 8.92

Notes:

Well Conditions

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

Purge Information

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
1.78	<u>~1.75</u>	<u>58.2</u>	<u>1.19</u>	<u>>1100</u>	
<u>1.78</u>	<u>~3.5</u>	<u>57.1</u>	<u>1.19</u>	<u>850</u>	
	<u>~4.75</u>	<u>56.8</u>	<u>1.18</u>	<u>280</u>	
	<u>~7</u>	<u>57.0</u>	<u>1.18</u>	<u>110</u>	

Comments: Total purged 9 gal

Sampling Information

Date: 7/21/11 Time Sampled: 1100 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 11.91
 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-52</u>	<u>56.4</u>	<u>7.06</u>	<u>1.19</u>	<u>>1100</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/11

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

Monitoring Well I.D.: B-53 Date: 7/21/11 Time Started: 0935 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 37.26 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 11.81 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 25.45 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 4.33 FiveWell Volumes (gals.) 21.6

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>4.33</u>	<u>~4.3</u>	<u>55.1</u>	<u>1.15</u>	<u>4.6</u>	
	<u>~8.6</u>	<u>54.9</u>	<u>1.11</u>	<u>1</u>	
	<u>13</u>	<u>53.2</u>	<u>1.09</u>	<u>1</u>	
	<u>18</u>	<u>53.2</u>	<u>1.08</u>	<u>1</u>	

Comments: total purged 22 gal

Sampling Information

Date: 7/21/11 Time Sampled: 1015 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 11.86

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>54.9</u>	<u>7.35</u>	<u>0.97</u>	<u>2</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/21/11

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

Monitoring Well I.D.: B-54 Date: 7/2/11 Time Started: 0915 Field Personnel: RC Becken
 Weather Conditions: Sunny hot humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 57.46 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 13.1 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 44.36 (Circle One) 4" = 0.68 6" = 1.50 8" = 2.80
 One Well Volume (gals.) 7.5 FiveWell Volumes (gals.) 37.7

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: Peristaltic Pump

Well Volume	Gallons Purged (gal)	Temperature (deg. C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>7.5</u>	<u>~7.5</u>	<u>55.2</u>	<u>1.10</u>	<u>3.75</u>	
	<u>~15</u>	<u>54.9</u>	<u>2.24</u>	<u>71100</u>	<u>well dry at ~17 gal</u>

Comments: total purged 17 gal

Sampling Information

Date: 7/2/11 Time Sampled: 1120 Field Personnel: RC Becken
 Measured Water Level (TOR ft.): 48.55
 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
<u>B-54</u>	<u>54.8</u>	<u>10.46</u>	<u>1.42</u>	<u>1.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/2/11

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

Monitoring Well I.D.: B-55 Date: 7/21/11 Time Started: 0830 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid windy
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 84.81 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 29.61 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 56.2 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 9.55 Five Well Volumes (gals.) 48

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>9.55</u>	<u>~9.50</u>	<u>56.2</u>	<u>3.77</u>	<u>1.78</u>	
	<u>~15</u>	<u>56.4</u>	<u>3.87</u>	<u>12</u>	<u>well dry at 15 gal</u>

Comments: total purged 50 gal

Sampling Information

Date: 7/21/11 Time Sampled: 1110 Field Personnel: R C 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 ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-55</u>	<u>54.9</u>	<u>6.89</u>	<u>3.82</u>	<u>4.1</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/21/11

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

Monitoring Well I.D.: B-56 Date: 7/19/11 Time Started: 1100 Field Personnel: RC Becken

Weather Conditions: sunny humid hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 39.6 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 25.27 Conversion Factor (gal/lineal ft) 1.25" = 0.08 5" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 13.63 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 2.32 Five Well Volumes (gals.) 11.6

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 (µS/cm)	Turbidity (NTU)	Comments
<u>2.32</u>	<u>~2.5</u>	<u>53.6</u>	<u>1.27</u>	<u>80</u>	
	<u>~5</u>	<u>53.5</u>	<u>1.04</u>	<u>39</u>	
	<u>~7.5</u>	<u>53.3</u>	<u>1.06</u>	<u>35</u>	
	<u>~10</u>	<u>52.5</u>	<u>1.00</u>	<u>9.5</u>	

Comments: total purged 12 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1135 Field Personnel: R C Becken

Measured Water Level (TOR ft.): 28.25

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

Sample I.D.	Temperature (deg. C)	pH (S.U.)	Specific Conductivity (µS/cm)	Turbidity (NTU)	Comments
<u>B-56</u>	<u>54.1</u>	<u>7.03</u>	<u>1.37</u>	<u>200</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/19/11

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

Monitoring Well I.D.: B-57 Date: 7/19/11 Time Started: 1045 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 50.57 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 28.21 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 22.36 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 3.8 Five Well Volumes (gals.) 19

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>3.8</u>	<u>~3.8</u>	<u>55.4</u>	<u>2.33</u>	<u>16</u>	
	<u>~1.6</u>	<u>55.2</u>	<u>2.46</u>	<u>26</u>	<u>well dry at 8 gals</u>
	<u>~</u>				

Comments: total purged 8 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1215 Field Personnel: RC Becken

Measured Water Level (TOR ft): 36.76

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>54.5</u>	<u>6.93</u>	<u>2.2</u>	<u>13</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/19/11

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

Monitoring Well I.D.: B-58 Date: 7/19/11 Time Started: 0955 Field Personnel: RC Becken
 Weather Conditions: sunny hot humid
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 63.61 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 25.2 Conversion Factor (gal/lineal ft) 1.25" = 0.08 5" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 38.41 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.53 FiveWell Volumes (gals.) 32.6

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>6.53</u>	<u>~6.5</u>	<u>55.6</u>	<u>1.47</u>	<u>150</u>	
	<u>~13</u>	<u>54.0</u>	<u>1.51</u>	<u>80</u>	
	<u>~19</u>	<u>53.8</u>	<u>1.54</u>	<u>40</u>	
	<u>~25</u>	<u>53.4</u>	<u>1.52</u>	<u>130</u>	

Comments: total purged 33 gal

Sampling Information

Date: 7/19/11 Time Sampled: 1040 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 35.2
 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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-58</u>	<u>55.1</u>	<u>7.51</u>	<u>1.38</u>	<u>40</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C. Becken Date: 7/19/11

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

Monitoring Well I.D.: B-59 Date: 7/12/11 Time Started: 0845 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 69.31 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 27.56 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.15 3" = 0.38
 Calculated Water Column Height (ft) 41.75 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 7.10 Five Well Volumes (gals.) 35.5

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>7.1</u>	<u>~7.1</u>	<u>52.9</u>	<u>1.97</u>	<u>.30</u>	
	<u>~14.2</u>	<u>54.0</u>	<u>2.34</u>	<u>1</u>	
	<u>~21</u>	<u>53.4</u>	<u>2.47</u>	<u>2</u>	
	<u>~28</u>	<u>53.3</u>	<u>2.46</u>	<u>3</u>	

Comments: total purged 36 gal

Sampling Information

Date: 7/12/11 Time Sampled: 0930 Field Personnel: R C Becken

Measured Water Level (TOR ft): 32.13

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-59</u>	<u>53.1</u>	<u>6.9</u>	<u>1.4</u>	<u>210</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/12/11

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

Monitoring Well I.D.: B-60 Date: 7/12/11 Time Started: 0935 Field Personnel: RC Becken

Weather Conditions: Sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>55.06</u>	Riser Pipe Diameter (in)	<u>2 in.</u>
Measured Water Level (TOR - ft)	<u>19.71</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft)	<u>35.35</u>	(Circle One)	4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.)	<u>6.0</u>	Five Well Volumes (gals.)	<u>30</u>

Notes:

Well Conditions

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

Casing Condition: OK Repair Required:

Cap Condition: OK Repair Required:

Paint Condition: OK Repair Required:

Lock Condition: OK Repair Required:

Inner Casing Condition: OK Repair Required:

Surface Seal Condition: OK Repair Required:

Other:

Purge Information

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

Teflon Bailor Polyethylene Bailor Other: Purple Pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>6.0</u>	<u>6</u>	<u>53.4</u>	<u>1.86</u>	<u>4.0</u>	
	<u>12</u>	<u>52.9</u>	<u>2.25</u>	<u>11</u>	
	<u>18</u>	<u>52.6</u>	<u>2.37</u>	<u>0</u>	
	<u>24</u>	<u>52.7</u>	<u>2.21</u>	<u>0</u>	

Comments: total purged 30 gals

Sampling Information

Date: 7/12/11 Time Sampled: 1000 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 46.05

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 (SU)	Specific Conductivity (mS/cm)	Turbidity (NTUs)	Comments
<u>B-60</u>	<u>54.4</u>	<u>6.86</u>	<u>1.81</u>	<u>3.7</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/12/11

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

Monitoring Well I.D.: B-61 Date: 7/12/11 Time Started: 1035 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft)	<u>29.52</u>	Riser Pipe Diameter (in)	<u>2 in.</u>		
Measured Water Level (TOR - ft)	<u>18.99</u>	Conversion Factor (gal/lineal ft)	1.25" = 0.08	<u>2" = 0.17</u>	3" = 0.38
Calculated Water Column Height (ft)	<u>10.53</u>	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.)	<u>1.79</u>	Five Well Volumes (gals.)	<u>8.95</u>		

Notes:

Well Conditions

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

Casing Condition: OK Repair Required:

Cap Condition: OK Repair Required:

Paint Condition: OK Repair Required:

Lock Condition: OK Repair Required:

Inner Casing Condition: OK Repair Required:

Surface Seal Condition: OK Repair Required:

Other:

Purge Information

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>1.79</u>	<u>~1.80</u>	<u>53.5</u>	<u>1.16</u>	<u>21</u>	
	<u>~2.6</u>	<u>53.2</u>	<u>0.98</u>	<u>5.9</u>	
	<u>~4.4</u>	<u>52.7</u>	<u>0.96</u>	<u>1.6</u>	
	<u>~6</u>	<u>53.4</u>	<u>0.95</u>	<u>1</u>	

Comments: total purged 9 gal

Sampling Information

Date: 7/12/11 Time Sampled: 1100 Field Personnel: RC Becken

Measured Water Level (TOR ft): 19.44

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-61</u>	<u>54.9</u>	<u>7.31</u>	<u>8.95</u>	<u>11</u>	

QA/QC Samples Taken: Field Dup #1

Comments:

Signature

Sampler (Print): Richard C. Becken

Sampler (signature): Richard C. Becken

Date: 7/12/11

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

Monitoring Well I.D.: B-62 Date: 7/26/11 Time Started: 1355 Field Personnel: RC Becken
 Weather Conditions: overcast hot
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 91.65 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 12.57 Conversion Factor (gal/lineal ft) 1.25" = 0.08 5" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 79.08 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 13.4 FiveWell Volumes (gals.) 67

Notes:

Well Conditions

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

Purge Information

Purging Method (Circle one): Stainless Steel 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 (µS/cm)	Turbidity (NTU's)	Comments
<u>13.4</u>	<u>~13</u>	<u>53.0</u>	<u>3.27</u>	<u>7.0</u>	
	<u>~26</u>	<u>52.9</u>	<u>3.32</u>	<u>7.2</u>	
	<u>~40</u>	<u>53.0</u>	<u>3.34</u>	<u>5.3</u>	
	<u>~53</u>	<u>53.1</u>	<u>3.32</u>	<u>1.9</u>	

Comments: Total purge 267 gal

Sampling Information

Date: 7/26/11 Time Sampled: 1440 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 12.59
 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 (SU)	Specific Conductivity (µS/cm)	Turbidity (NTU's)	Comments
<u>B-62</u>	<u>53.8</u>	<u>7.26</u>	<u>3.21</u>	<u>9.5</u>	

QA/QC Samples Taken:

Comments:
 Signature
 Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/26/11

Turbidity readings over 10 NTU are questionable

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

Monitoring Well I.D.: B-63 Date: 7/26/11 Time Started: 1215 Field Personnel: RC Becken
 Weather Conditions: overcast warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>27.21</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>19.71</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>2.5</u>	(Circle One) <u>4" = 0.66</u> <u>6" = 1.50</u> <u>8" = 2.60</u>
One Well Volume (gals.) <u>1.28</u>	Five Well Volumes (gals.) <u>6.4</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: <u>NA</u>
Lock Condition:	<u>OK</u>	Repair Required: <u>NA</u>
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

Purge Information

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>1.28</u>	<u>~1.25</u>	<u>55.1</u>	<u>1.12</u>	<u>150</u>	
	<u>~2.5</u>	<u>53.4</u>	<u>1.12</u>	<u>170</u>	
	<u>~3.75</u>	<u>52.9</u>	<u>1.11</u>	<u>120</u>	
	<u>~5</u>	<u>52.9</u>	<u>1.11</u>	<u>25</u>	

Comments: Total purged 7 gal

Sampling Information

Date: 7/26/11 Time Sampled: 1350 Field Personnel: R C Becken
 Measured Water Level (TOR ft.): 20.4
 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-63</u>	<u>52.8</u>	<u>7.30</u>	<u>1.11</u>	<u>15</u>	

QA/QC Samples Taken:
 Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/26/11

Turbidity readings over 10 NTU are questionable

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

Monitoring Well I.D.: B-64 Date: 7/26/14 Time Started: 1115 Field Personnel: RC Becken

Weather Conditions: overcast warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>42.36</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>19.98</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>22.38</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
One Well Volume (gals.) <u>3.8</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: <u>NA</u>
Lock Condition:	<u>OK</u>	Repair Required: <u>NA</u>
Inner Casing Condition:	<u>OK</u>	Repair Required:
Surface Seal Condition:	<u>OK</u>	Repair Required:

Other:

Purge Information

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>3.8</u>	<u>~3.8</u>	<u>53.7</u>	<u>0.91</u>	<u>2.8</u>	
	<u>~7.6</u>	<u>53.5</u>	<u>0.79</u>	<u>3.1</u>	
	<u>~11.5</u>	<u>53.1</u>	<u>0.79</u>	<u>2.6</u>	
	<u>~15</u>	<u>52.4</u>	<u>0.78</u>	<u>1.0</u>	

Comments: Total purged 20 gal

Sampling Information

Date: 7/26/14 Time Sampled: 1150 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 19.99

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
<u>B-64</u>	<u>52.8</u>	<u>7.45</u>	<u>0.81</u>	<u>1.0</u>	

QA/QC Samples Taken: MS + MSD

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/26/14

Turbidity reading over 10 NTU are questionable

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

Monitoring Well I.D.: B-65 Date: 7/26/11 Time Started: 1030 Field Personnel: RC Becken

Weather Conditions: sunny hot

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 57.17 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 20.31 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 36.86 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 6.27 FiveWell Volumes (gals.) 31.33

Notes:

Well Conditions

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

Other:

Purge Information

Purging Method (Circle one): Stainless Steel 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>6.27</u>	<u>~6.25</u>	<u>54.8</u>	<u>2.41</u>	<u>4.5</u>	<u>turbidity readings questionable</u>
	<u>~12.5</u>	<u>54.1</u>	<u>2.48</u>	<u>3.6</u>	
	<u>~19</u>	<u>53.7</u>	<u>2.50</u>	<u>2.1</u>	
	<u>~25.25</u>	<u>54.5</u>	<u>2.48</u>	<u>1.5</u>	

Comments: Total purged 32 gal

Sampling Information

Date: 7/26/11 Time Sampled: 1110 Field Personnel: RC Becken

Measured Water Level (TOR ft): 24.3

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
<u>B-65</u>	<u>53.6</u>	<u>7.21</u>	<u>2.47</u>	<u>8.0</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/26/11

turbidity readings over 10 NTU questionable

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

Monitoring Well I.D.: B-66 Date: 7/26/11 Time Started: 0945 Field Personnel: RC Becken
 Weather Conditions: Sunny warm
 Comments:

Initial Readings

Measured Well Bottom (TOR - ft) 32.58 Riser Pipe Diameter (in) 2 in.
 Measured Water Level (TOR - ft) 21.2 Conversion Factor (gal/lineal ft) 1.25" = 0.08 2" = 0.17 3" = 0.38
 Calculated Water Column Height (ft) 11.38 (Circle One) 4" = 0.66 6" = 1.50 8" = 2.60
 One Well Volume (gals.) 1.93 Five Well Volumes (gals.) 9.7

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: purge pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>1.93</u>	<u>~2</u>	<u>53.2</u>	<u>0.56</u>	<u>150</u>	<u>Turbidity reading questionable</u>
	<u>~4</u>	<u>52.1</u>	<u>0.79</u>	<u>10</u>	
	<u>~6</u>	<u>51.7</u>	<u>0.80</u>	<u>5</u>	
	<u>~8</u>	<u>52.1</u>	<u>0.80</u>	<u>1.0</u>	

Comments: Total purged 10 gal

Sampling Information

Date: 7/26/11 Time Sampled: 1015 Field Personnel: R C Becken
 Measured Water Level (TOR ft): 21.24
 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.d)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
<u>B-66</u>	<u>52.5</u>	<u>7.38</u>	<u>1.22</u>	<u>1.6</u>	

QA/QC Samples Taken: Field Dup¹⁰⁸

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): Richard C Becken Date: 7/26/11

Turbidity readings over 10 NTU questionable

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

Monitoring Well I.D.: B-67 Date: 7/26/11 Time Started: 0900 Field Personnel: RC Becken

Weather Conditions: sunny warm

Comments:

Initial Readings

Measured Well Bottom (TOR - ft) <u>24.77</u>	Riser Pipe Diameter (in) <u>2 in.</u>
Measured Water Level (TOR - ft) <u>17.81</u>	Conversion Factor (gal/lineal ft) 1.25" = 0.08 <u>2" = 0.17</u> 3" = 0.38
Calculated Water Column Height (ft) <u>6.96</u>	(Circle One) 4" = 0.66 6" = 1.50 8" = 2.80
One Well Volume (gals.) <u>1.18</u>	Five Well Volumes (gals.) <u>5.9</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: None

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
<u>1.18</u>	<u>~1.2</u>	<u>53.4</u>	<u>1.40</u>	<u>17</u>	
	<u>~2.4</u>	<u>52.4</u>	<u>1.39</u>	<u>11</u>	
	<u>~3.6</u>	<u>52.5</u>	<u>1.39</u>	<u>9</u>	
	<u>~4.8</u>	<u>52.4</u>	<u>1.41</u>	<u>5</u>	

Comments: Total purged 6 gal

Sampling Information

Date: 7/26/11 Time Sampled: 0940 Field Personnel: RC Becken

Measured Water Level (TOR ft.): 18.49

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 (SL)	Specific Conductivity (mS/cm)	Turbidity (NTU/s)	Comments
<u>B-67</u>	<u>52.7</u>	<u>6.47</u>	<u>1.40</u>	<u>2.3</u>	

QA/QC Samples Taken:

Comments:

Signature

Sampler (Print): Richard C. Becken Sampler (signature): [Signature] Date: 7/26/11

Turbidity Readings questionable over 10 NTU

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 19, 2011

Project: BP Sanborn

Submittal Date: 07/13/2011

Group Number: 1256020

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionLancaster Labs (LLI) #

B-15 Water	6342642
B-59 Water	6342643
B-60 Water	6342644
B-61 Water	6342645
Field Dup #1 Water	6342646
B-9 Water	6342647
B-9MS Water	6342648
B-9MSD Water	6342649
B-3 Water	6342650
P-3 Water	6342651
B-13 Water	6342652
B-19 Water	6342653

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Robin C. Runkle
Senior Specialist



Analysis Report

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Page 1 of 2

Sample Description: B-15 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-15

LLI Sample # WW 6342642
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 09:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR15

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Page 2 of 2

Sample Description: B-15 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-15

LLI Sample # WW 6342642
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 09:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR15

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	Y111951AA	07/14/2011 20:55	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 20:55	Frank A Valla, Jr	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-59 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-59

LLI Sample # WW 6342643
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR59

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-59 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-59

LLI Sample # WW 6342643
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR59

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	Y111951AA	07/14/2011 21:16	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 21:16	Frank A Valla, Jr	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-60 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-60

LLI Sample # WW 6342644
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR60

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-60 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-60

LLI Sample # WW 6342644
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR60

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	Y111951AA	07/14/2011 21:38	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 21:38	Frank A Valla, Jr	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-61 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-61

LLI Sample # WW 6342645
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR61

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-61 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-61

LLI Sample # WW 6342645
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR61

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	Y111951AA	07/14/2011 21:59	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 21:59	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: Field Dup #1 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY Field Dup

LLI Sample # WW 6342646
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBRF1

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: Field Dup #1 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY Field Dup

LLI Sample # WW 6342646
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBRF1

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	Y111951AA	07/14/2011 22:20	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 22:20	Frank A Valla, Jr	1

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



Analysis Report

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Sample Description: B-9 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6342647
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR09

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-9 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6342647
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR09

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	Y111951AA	07/14/2011 22:41	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 22:41	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: B-9MS Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6342648
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR09

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	23	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	20	1.0	5.0	1
10903	Bromomethane	74-83-9	18	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	23	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	18	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	16	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	21	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	23	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	22	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	18	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	24	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	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	21	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	20	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	18	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	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	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	20	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	18	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-9MS Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6342648
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR09

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	Y111951AA	07/14/2011 23:02	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 23:02	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: B-9MSD Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6342649
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR09

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	23	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	21	1.0	5.0	1
10903	Bromoform	75-25-2	20	1.0	5.0	1
10903	Bromomethane	74-83-9	18	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	18	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	22	0.80	5.0	1
10903	Chloromethane	74-87-3	17	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	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	23	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	22	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	18	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	24	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	22	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	20	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	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	21	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	24	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	19	0.80	5.0	1
10903	Trichloroethene	79-01-6	23	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	19	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	19	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-9MSD Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-9

LLI Sample # WW 6342649
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 11:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR09

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	Y111951AA	07/14/2011 23:23	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111951AA	07/14/2011 23:23	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: B-3 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-3

LLI Sample # WW 6342650
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR03

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	2.6 J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	1.4 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	200	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	4.1 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	1.1 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	54	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-3 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-3

LLI Sample # WW 6342650
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 12:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR03

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	W111951AA	07/14/2011 20:03	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W111951AA	07/14/2011 20:03	Emily R Styer	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: P-3 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY P-3

LLI Sample # WW 6342651
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR-3

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	110	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	4.8 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	1.0 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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: P-3 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY P-3

LLI Sample # WW 6342651
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR-3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W111951AA	07/14/2011 20:27	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W111951AA	07/14/2011 20:27	Emily R Styer	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-13 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-13

LLI Sample # WW 6342652
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR13

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	12	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	3.9 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	450	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	7.4	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	1.5 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	380	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	16	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-13 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-13

LLI Sample # WW 6342652
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 13:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR13

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	W111951AA	07/14/2011 20:51	Emily R Styer	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W111951AA	07/14/2011 21:15	Emily R Styer	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W111951AA	07/14/2011 20:51	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W111951AA	07/14/2011 21:15	Emily R Styer	10

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



Analysis Report

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

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Sample Description: B-19 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-19

LLI Sample # WW 6342653
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd

Houston TX 77079

SBR19

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	3.1 J	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

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-19 Water
BP Sanborn COC: 192423
2040 Cory Dr - Sanborn, NY B-19

LLI Sample # WW 6342653
LLI Group # 1256020
Account # 12495

Project Name: BP Sanborn

Collected: 07/12/2011 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/13/2011 09:50

BP Corporation

Reported: 07/19/2011 16:30

501 WestLake Park Blvd
Houston TX 77079

SBR19

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	W111951AA	07/14/2011 21:39	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W111951AA	07/14/2011 21:39	Emily R Styer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/19/11 at 04:30 PM

Group Number: 1256020

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: W111951AA Sample number(s): 6342650-6342653									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	99	98	69-120	1	30
Bromobenzene	N.D.	1.0	5.0	ug/l	102	103	80-120	1	30
Bromodichloromethane	N.D.	1.0	5.0	ug/l	109	109	80-120	0	30
Bromoform	N.D.	1.0	5.0	ug/l	116	115	61-120	1	30
Bromomethane	N.D.	1.0	5.0	ug/l	75	75	44-120	0	30
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	113	110	75-123	2	30
Chlorobenzene	N.D.	0.80	5.0	ug/l	99	100	80-120	1	30
Chloroethane	N.D.	1.0	5.0	ug/l	81	74	49-129	9	30
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	80	81	56-129	1	30
Chloroform	N.D.	0.80	5.0	ug/l	101	101	77-122	0	30
Chloromethane	N.D.	1.0	5.0	ug/l	84	89	60-129	5	30
Dibromochloromethane	N.D.	1.0	5.0	ug/l	114	114	80-120	0	30
Dibromomethane	N.D.	1.0	5.0	ug/l	103	103	80-120	0	30
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95	98	80-120	3	30
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	99	100	80-120	1	30
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98	98	80-120	1	30
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	82	80	47-120	3	30
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	101	102	79-120	2	30
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	99	98	70-130	0	30
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	106	105	74-123	1	30
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	105	107	80-120	1	30
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	105	106	80-120	1	30
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	100	98	78-120	2	30
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	104	105	80-120	0	30
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	99	99	79-120	0	30
Methylene Chloride	N.D.	2.0	5.0	ug/l	106	107	80-120	2	30
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	107	107	80-120	0	30
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	92	92	71-120	0	30
Tetrachloroethene	N.D.	0.80	5.0	ug/l	104	104	80-121	1	30
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	104	104	75-127	0	30
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	97	99	80-120	2	30
Trichloroethene	N.D.	1.0	5.0	ug/l	103	102	80-120	1	30
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	87	87	64-129	1	30
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	95	97	80-120	2	30
Vinyl Chloride	N.D.	1.0	5.0	ug/l	86	85	65-125	2	30
Batch number: Y111951AA Sample number(s): 6342642-6342649									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	89		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	110		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	102		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	98		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	81		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	104		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	104		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	83		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	106		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: 07/19/11 at 04:30 PM

Group Number: 1256020

<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	105		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	81		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	101		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	100		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	109		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	105		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	75		47-120		
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	115		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	102		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	102		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	103		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	98		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	92		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	107		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	102		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	97		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	82		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	101		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	81		65-125		

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: Y111951AA									
Sample number(s): 6342642-6342649 UNSPK: 6342647									
Benzyl Chloride	84	84	62-120	0	30				
Bromobenzene	115	113	82-115	2	30				
Bromodichloromethane	108	105	78-125	2	30				
Bromoform	101	99	60-121	1	30				
Bromomethane	89	88	38-149	1	30				
Carbon Tetrachloride	117	112	81-138	4	30				
Chlorobenzene	109	107	87-124	1	30				
Chloroethane	90	90	51-145	0	30				
2-Chloroethyl Vinyl Ether	104	103	10-151	1	30				
Chloroform	113	110	81-134	3	30				
Chloromethane	78	83	67-154	6	30				
Dibromochloromethane	103	101	74-116	2	30				
Dibromomethane	104	101	83-119	3	30				
1,2-Dichlorobenzene	106	104	84-119	1	30				
1,3-Dichlorobenzene	114	113	86-121	1	30				
1,4-Dichlorobenzene	111	110	85-121	2	30				
Dichlorodifluoromethane	88	88	52-129	0	30				
1,1-Dichloroethane	112	111	84-129	1	30				
1,2-Dichloroethane	122	118	66-141	3	30				

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/19/11 at 04:30 PM

Group Number: 1256020

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-Dichloroethene	99	98	85-142	1	30				
cis-1,2-Dichloroethene	109	108	85-125	1	30				
trans-1,2-Dichloroethene	109	108	87-126	1	30				
1,2-Dichloropropane	103	102	83-124	0	30				
cis-1,3-Dichloropropene	106	104	75-125	2	30				
trans-1,3-Dichloropropene	93	94	74-119	1	30				
Methylene Chloride	100	97	79-120	3	30				
1,1,1,2-Tetrachloroethane	108	106	82-119	2	30				
1,1,2,2-Tetrachloroethane	90	90	72-128	0	30				
Tetrachloroethene	121	118	80-128	2	30				
1,1,1-Trichloroethane	112	110	80-143	2	30				
1,1,2-Trichloroethane	98	97	77-124	1	30				
Trichloroethene	112	110	88-133	1	30				
Trichlorofluoromethane	98	94	73-152	4	30				
1,2,3-Trichloropropane	102	102	76-118	0	30				
Vinyl Chloride	89	93	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: W111951AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6342650	104	103	97	90
6342651	103	104	97	89
6342652	103	104	97	89
6342653	102	102	98	89
Blank	100	101	97	88
LCS	103	106	98	93
LCSD	102	107	97	93

Limits: 80-116 77-113 80-113 78-113

Analysis Name: PPL + Xylene (total) by 8260

Batch number: Y111951AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6342642	107	107	93	91
6342643	106	109	92	90
6342644	107	106	92	90
6342645	107	107	92	90
6342646	107	108	92	91
6342647	106	106	93	90
6342648	107	109	94	95
6342649	105	110	94	95
Blank	105	107	93	92
LCS	105	108	95	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: 07/19/11 at 04:30 PM

Group Number: 1256020

Surrogate Quality Control

MS	107	109	94	95
MSD	105	110	94	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 #: 1256020

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:

No additional comments are necessary.

BP/ARC Project Name: BP, Sarnborn

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

BP/ARC Facility No: _____

Lab Work Order Number: _____

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2010 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sarnborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Jessica Oknefski, Lynn Frederikson</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 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 Acont: _____	Enfos Proposal No: <u>D00B4-0001</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>60</u> Activity: <u>81</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	7/12/11	0930	X			3	X						X												use EQUIS format	
	B-59		1030	X			3	X						X													
	B-60		1000	X			3	X						X												Per vial labels all	
	B-61		1100	X			3	X						X												were collected on	
	Field Dup #1			X			3	X						X												7/12/11 LF 7/13/11	
	B-9		1125	X			3	X						X													
	B-9 MS		1125	X			3	X						X													
	B-9 MSD		1125	X			3	X						X													
	B-3		1200	X			3	X						X													
	P-3		1210	X			3	X						X													

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: _____	Date: _____	Time: _____	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>ORM Enterprises Inc</u>	<u>Richard C Becker</u>	7/12/11	1700			
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/12/11</u>						
Shipment Tracking No: <u>870059375338</u>				<u>[Signature]</u>	<u>7/13/11</u>	<u>950</u>
Special Instructions: <u>quarterly sampling</u>						

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



Laboratory Management Program LaMP Chain of Custody Record

Page 2 of 2

BP, Sanborn

Rush TAT: Yes No

Lab Work Order Number:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes No

Temp Blank: Yes No

Cooler Temp on Receipt: _____

°F/E°

Trip Blank: ☐ Yes / No

MS/MSD Sample Submitted: Yes/ No

Laboratory Copy

4.90

BP/ARC LaMP COC Rev. 6 01/01/2009

Environmental Sample Administration Receipt Documentation Log

Client/Project: OTM

Shipping Container Sealed: ☒ YES ☐ NO

Date of Receipt: 7/13/11

Custody Seal Present * : ☒ YES ☐ NO

Time of Receipt: 950

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

Source Code: 50-1

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	04129951	4.9°C	TB	WI	Y	B	*
2			↘				
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 1 (see below)

Paperwork Discrepancy/Unpacking Problems:

* temp bottle received hightemp (8.7°) but was not near ice or samples
So sacrificed 1 tripblank vial for temp, samples B-1S and B-S9
times switched

Unpacker Signature/Emp#: 32-2308

Date/Time: 7/13/11 1341

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.

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 19, 2011

Project: BP Sanborn

Submittal Date: 07/14/2011

Group Number: 1256277

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionField Dup #2 Water
B-44 Water
B-17 Water
PW-1 Water
B-43 Water
B-42 Water
B-12 Water
B-12 Matrix Spike Water
B-12 Matrix Spike Dup Water
B-4 WaterLancaster Labs (LLI) #6343972
6343973
6343974
6343975
6343976
6343977
6343978
6343979
6343980
6343981

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist



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: Field Dup #2 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY Field Dup #2

LLI Sample # WW 6343972
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAND2

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	12	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	3.2 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	5.2	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: Field Dup #2 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY Field Dup #2

LLI Sample # WW 6343972
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAND2

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	T111961AA	07/15/2011 17:24	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 17:24	Kerri E Legerlotz	1

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



Analysis Report

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Sample Description: B-44 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-44

LLI Sample # WW 6343973
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN44

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	11	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	12	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	5.9	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	7.1	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-44 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-44

LLI Sample # WW 6343973
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN44

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	T111961AA	07/15/2011 17:47	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 17:47	Kerri E Legerlotz	1

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



Analysis Report

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Sample Description: B-17 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-17

LLI Sample # WW 6343974
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN17

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	150	10	50	10
10903	1,2-Dichloroethane	107-06-2	N.D.	10	50	10
10903	1,1-Dichloroethene	75-35-4	47 J	8.0	50	10
10903	cis-1,2-Dichloroethene	156-59-2	11,000	80	500	100
10903	trans-1,2-Dichloroethene	156-60-5	47 J	8.0	50	10
10903	1,2-Dichloropropane	78-87-5	N.D.	10	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	10	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	10	50	10
10903	Methylene Chloride	75-09-2	N.D.	20	50	10
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	10	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	10	50	10
10903	Tetrachloroethene	127-18-4	N.D.	8.0	50	10
10903	1,1,1-Trichloroethane	71-55-6	32 J	8.0	50	10
10903	1,1,2-Trichloroethane	79-00-5	N.D.	8.0	50	10
10903	Trichloroethene	79-01-6	6,600	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	1,200	10	50	10

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-17 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-17

LLI Sample # WW 6343974
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd
Houston TX 77079

SAN17

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	T111961AA	07/15/2011 18:11	Kerri E Legerlotz	10
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 18:34	Kerri E Legerlotz	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 18:11	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T111961AA	07/15/2011 18:34	Kerri E Legerlotz	100

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



Analysis Report

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

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Sample Description: PW-1 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY PW-1

LLI Sample # WW 6343975
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SANW1

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	10	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	4.3 J	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	460	8.0	50	10
10903	trans-1,2-Dichloroethene	156-60-5	4.7 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	5.6	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	1,700	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	42	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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



Analysis Report

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Sample Description: PW-1 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY PW-1

LLI Sample # WW 6343975
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd
Houston TX 77079

SANW1

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	T111961AA	07/15/2011 18:58	Kerri E Legerlotz	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 19:21	Kerri E Legerlotz	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 18:58	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T111961AA	07/15/2011 19:21	Kerri E Legerlotz	10

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



Analysis Report

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

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Sample Description: B-43 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6343976
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 10:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN43

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	11	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	3.8 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	5.1	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-43 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-43

LLI Sample # WW 6343976
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 10:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN43

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	T111961AA	07/15/2011 19:45	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 19:45	Kerri E Legerlotz	1

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



Analysis Report

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

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Sample Description: B-42 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6343977
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN42

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	6.9	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	2.6 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

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-42 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-42

LLI Sample # WW 6343977
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd
Houston TX 77079

SAN42

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	T111961AA	07/15/2011 17:01	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 17:01	Kerri E Legerlotz	1

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



Analysis Report

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

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Sample Description: B-12 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6343978
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	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	8.9 J	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	2.7 J	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	120	1.6	10	2
10903	trans-1,2-Dichloroethene	156-60-5	3.2 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	14	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10	2
10903	Trichloroethene	79-01-6	650	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	N.D.	2.0	10	2

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-12 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6343978
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd
Houston TX 77079

SAN12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 15:03	Kerri E Legerlotz	2
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 16:14	Kerri E Legerlotz	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 15:03	Kerri E Legerlotz	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T111961AA	07/15/2011 16:14	Kerri E Legerlotz	20

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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-12 Matrix Spike Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6343979
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	36	2.0	10	2
10903	Bromobenzene	108-86-1	36	2.0	10	2
10903	Bromodichloromethane	75-27-4	42	2.0	10	2
10903	Bromoform	75-25-2	32	2.0	10	2
10903	Bromomethane	74-83-9	39	2.0	10	2
10903	Carbon Tetrachloride	56-23-5	49	2.0	10	2
10903	Chlorobenzene	108-90-7	38	1.6	10	2
10903	Chloroethane	75-00-3	42	2.0	10	2
10903	2-Chloroethyl Vinyl Ether	110-75-8	36	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	45	1.6	10	2
10903	Chloromethane	74-87-3	45	2.0	10	2
10903	Dibromochloromethane	124-48-1	37	2.0	10	2
10903	Dibromomethane	74-95-3	40	2.0	10	2
10903	1,2-Dichlorobenzene	95-50-1	36	2.0	10	2
10903	1,3-Dichlorobenzene	541-73-1	38	2.0	10	2
10903	1,4-Dichlorobenzene	106-46-7	37	2.0	10	2
10903	Dichlorodifluoromethane	75-71-8	45	4.0	10	2
10903	1,1-Dichloroethane	75-34-3	55	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	49	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	46	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	160	1.6	10	2
10903	trans-1,2-Dichloroethene	156-60-5	44	1.6	10	2
10903	1,2-Dichloropropane	78-87-5	43	2.0	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	39	2.0	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	40	2.0	10	2
10903	Methylene Chloride	75-09-2	41	4.0	10	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	38	2.0	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	38	2.0	10	2
10903	Tetrachloroethene	127-18-4	38	1.6	10	2
10903	1,1,1-Trichloroethane	71-55-6	61	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	37	1.6	10	2
10903	Trichloroethene	79-01-6	750	2.0	10	2
10903	Trichlorofluoromethane	75-69-4	49	4.0	10	2
10903	1,2,3-Trichloropropane	96-18-4	40	2.0	10	2
10903	Vinyl Chloride	75-01-4	46	2.0	10	2

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-12 Matrix Spike Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6343979
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 15:27	Kerri E Legerlotz	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 15:27	Kerri E Legerlotz	2

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



Analysis Report

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

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Sample Description: B-12 Matrix Spike Dup Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6343980
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN12

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	40	2.0	10	2
10903	Bromobenzene	108-86-1	39	2.0	10	2
10903	Bromodichloromethane	75-27-4	45	2.0	10	2
10903	Bromoform	75-25-2	34	2.0	10	2
10903	Bromomethane	74-83-9	39	2.0	10	2
10903	Carbon Tetrachloride	56-23-5	53	2.0	10	2
10903	Chlorobenzene	108-90-7	41	1.6	10	2
10903	Chloroethane	75-00-3	42	2.0	10	2
10903	2-Chloroethyl Vinyl Ether	110-75-8	40	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	47	1.6	10	2
10903	Chloromethane	74-87-3	45	2.0	10	2
10903	Dibromochloromethane	124-48-1	41	2.0	10	2
10903	Dibromomethane	74-95-3	42	2.0	10	2
10903	1,2-Dichlorobenzene	95-50-1	40	2.0	10	2
10903	1,3-Dichlorobenzene	541-73-1	42	2.0	10	2
10903	1,4-Dichlorobenzene	106-46-7	40	2.0	10	2
10903	Dichlorodifluoromethane	75-71-8	46	4.0	10	2
10903	1,1-Dichloroethane	75-34-3	58	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	52	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	49	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	170	1.6	10	2
10903	trans-1,2-Dichloroethene	156-60-5	48	1.6	10	2
10903	1,2-Dichloropropane	78-87-5	46	2.0	10	2
10903	cis-1,3-Dichloropropene	10061-01-5	42	2.0	10	2
10903	trans-1,3-Dichloropropene	10061-02-6	43	2.0	10	2
10903	Methylene Chloride	75-09-2	45	4.0	10	2
10903	1,1,1,2-Tetrachloroethane	630-20-6	41	2.0	10	2
10903	1,1,2,2-Tetrachloroethane	79-34-5	41	2.0	10	2
10903	Tetrachloroethene	127-18-4	42	1.6	10	2
10903	1,1,1-Trichloroethane	71-55-6	66	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	39	1.6	10	2
10903	Trichloroethene	79-01-6	750	E 2.0	10	2
10903	Trichlorofluoromethane	75-69-4	50	4.0	10	2
10903	1,2,3-Trichloropropane	96-18-4	43	2.0	10	2
10903	Vinyl Chloride	75-01-4	48	2.0	10	2

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-12 Matrix Spike Dup Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-12

LLI Sample # WW 6343980
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd
Houston TX 77079

SAN12

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 15:50	Kerri E Legerlotz	2
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 15:50	Kerri E Legerlotz	2

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



Analysis Report

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

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Sample Description: B-4 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-4

LLI Sample # WW 6343981
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd

Houston TX 77079

SAN-4

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	59	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	7.1	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	11	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-4 Water
BP Sanborn COC: 192421
2040 Cory Drive - Sanborn, NY B-4

LLI Sample # WW 6343981
LLI Group # 1256277
Account # 12495

Project Name: BP Sanborn

Collected: 07/13/2011 13:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/14/2011 09:10

BP Corporation

Reported: 07/19/2011 12:58

501 WestLake Park Blvd
Houston TX 77079

SAN-4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T111961AA	07/15/2011 16:37	Kerri E Legerlotz	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T111961AA	07/15/2011 16:37	Kerri E Legerlotz	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/19/11 at 12:58 PM

Group Number: 1256277

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: T111961AA Sample number(s): 6343972-6343981									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	98		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	112		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	85		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	95		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	122		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	101		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	101		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	117		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	110		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	101		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	105		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		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	103		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	120		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	130		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	103		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	107		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	111		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	104		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	105		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	113		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	102		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	95		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	124		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	98		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	106		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	114		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	110		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	109		65-125		

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: 07/19/11 at 12:58 PM

Group Number: 1256277

<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: T111961AA Sample number(s): 6343972-6343981 UNSPK: 6343978									
Benzyl Chloride	89	99	62-120	11	30				
Bromobenzene	91	97	82-115	7	30				
Bromodichloromethane	105	113	78-125	7	30				
Bromoform	79	84	60-121	6	30				
Bromomethane	97	98	38-149	1	30				
Carbon Tetrachloride	122	133	81-138	8	30				
Chlorobenzene	96	103	87-124	7	30				
Chloroethane	105	104	51-145	1	30				
2-Chloroethyl Vinyl Ether	89	99	10-151	10	30				
Chloroform	112	117	81-134	5	30				
Chloromethane	112	112	67-154	0	30				
Dibromochloromethane	93	102	74-116	9	30				
Dibromomethane	99	104	83-119	4	30				
1,2-Dichlorobenzene	91	100	84-119	10	30				
1,3-Dichlorobenzene	94	104	86-121	10	30				
1,4-Dichlorobenzene	92	100	85-121	8	30				
Dichlorodifluoromethane	113	114	52-129	2	30				
1,1-Dichloroethane	114	123	84-129	6	30				
1,2-Dichloroethane	121	129	66-141	6	30				
1,1-Dichloroethene	108	116	85-142	7	30				
cis-1,2-Dichloroethene	101	111	85-125	2	30				
trans-1,2-Dichloroethene	103	112	87-126	8	30				
1,2-Dichloropropane	107	116	83-124	8	30				
cis-1,3-Dichloropropene	98	105	75-125	8	30				
trans-1,3-Dichloropropene	99	106	74-119	7	30				
Methylene Chloride	103	112	79-120	8	30				
1,1,1,2-Tetrachloroethane	96	103	82-119	7	30				
1,1,2,2-Tetrachloroethane	94	103	72-128	9	30				
Tetrachloroethene	96	106	80-128	10	30				
1,1,1-Trichloroethane	119	131	80-143	8	30				
1,1,2-Trichloroethane	92	98	77-124	6	30				
Trichloroethene	114 (2)	120 (2)	88-133	0	30				
Trichlorofluoromethane	124	125	73-152	1	30				
1,2,3-Trichloropropane	100	107	76-118	7	30				
Vinyl Chloride	115	120	66-133	5	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: T111961AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6343972	109	101	102	105
6343973	107	104	100	106
6343974	108	100	102	107
6343975	109	100	102	105
6343976	108	100	102	108
6343977	109	100	102	107
6343978	108	100	103	109
6343979	105	98	103	109
6343980	105	99	103	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: 07/19/11 at 12:58 PM

Group Number: 1256277

Surrogate Quality Control

6343981	106	99	101	106
Blank	109	100	100	105
LCS	106	98	101	106
MS	105	98	103	109
MSD	105	99	103	108
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 #: 1256277

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:

No additional comments are necessary.

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

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

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Parsons</u>
Lab Address: <u>2425 New Holland Pike, Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sanborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Jessica Oknefski</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 LaBriere 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 Acctn: _____	Enfos Proposal No: <u>DOOB4-0001</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>60</u> Activity: <u>81</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	
	Field Dup #2	7/13/11			X		3	X					X										Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
	B-44	7/13/11	1000		X		3	X					X										use EQUIS format	
	B-17	7/13/11	0940		X		3	X					X											
	Pw-1	7/13/11	1030		X		3	X					X											
	B-43	7/13/11	1055		X		3	X					X											
	B-42	7/13/11	1140		X		3	X					X											
	B-12	7/13/11	1300		X		3	X					X											
	B-12 ms	7/13/11	1300		X		3	X					X											
	B-12 MSD	7/13/11	1300		X		3	X					X											
	B-4	7/13/11	1315				3	X					X											

Sampler's Name: <u>Richard C. Becken</u>	Relinquished By / Affiliation: <u>Richard C. Becken</u>	Date: <u>7/13/11</u>	Time: <u>1730</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>Dam Enterprises Inc.</u>						
Shipment Method: <u>Fed Ex</u>	Ship Date: <u>7/13/11</u>					
Shipment Tracking No: <u>870059341237</u>				<u>Dan H</u>	<u>LLS</u>	<u>7/14/11 916</u>
Special Instructions: <u>quarterly sampling</u>						

THIS LINE - LAB USE ONLY: Custody Seals In Place: (X) / No Temp Blank: (X) No Cooler Temp on Receipt: 5.4 °F/C Trip Blank: (X) No MS/MSD Sample Submitted: (X) No

Environmental Sample Administration Receipt Documentation Log

Client/Project: Parsons

Shipping Container Sealed: YES NO

Date of Receipt: 7/14/11

Custody Seal Present * : YES NO

Time of Receipt: 910

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

Source Code: SO-1

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	9493	5.4°C	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 5

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Dany H 2316 Date/Time: 7/14/11 1015

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.

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 25, 2011

Project: BP Sanborn

Submittal Date: 07/19/2011

Group Number: 1257007

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionB-7 Water
B-14 Water
B-11 Water
PW-3 Water
Field Dup #3 Water
B-18 Water
B-8 Water
B-8MS Water
B-8MSD Water
B-26 Water
B-31 WaterLancaster Labs (LLI) #6348760
6348761
6348762
6348763
6348764
6348765
6348766
6348767
6348768
6348769
6348770

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

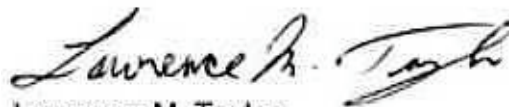
ELECTRONIC Parsons
COPY TO
ELECTRONIC Parsons
COPY TO

Attn: George Hermance

Attn: Lorraine Weber

Questions? Contact your Client Services Representative
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist



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-7 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-7

LLI Sample # WW 6348760
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBB7

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	1.5 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	4.6 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

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-7 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-7

LLI Sample # WW 6348760
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNBB7

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	T112011AA	07/20/2011 13:42	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 13:42	Linda C Pape	1

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



Analysis Report

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

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Sample Description: B-14 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-14

LLI Sample # WW 6348761
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNB14

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	64	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	4.3 J	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	360	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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Sample Description: B-14 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-14

LLI Sample # WW 6348761
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 10:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNB14

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	T112011AA	07/20/2011 15:16	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T112011AA	07/20/2011 15:39	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 15:16	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T112011AA	07/20/2011 15:39	Linda C Pape	10

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



Analysis Report

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

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Sample Description: B-11 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-11

LLI Sample # WW 6348762
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNB11

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	60	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	2.1 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	20	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	370	10	50	10
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-11 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-11

LLI Sample # WW 6348762
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNB11

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	T112011AA	07/20/2011 16:02	Linda C Pape	1
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T112011AA	07/20/2011 16:26	Linda C Pape	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 16:02	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T112011AA	07/20/2011 16:26	Linda C Pape	10

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



Analysis Report

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

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Sample Description: PW-3 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY PW-3

LLI Sample # WW 6348763
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 10:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBP3

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	8.7 J	4.0	25	5
10903	cis-1,2-Dichloroethene	156-59-2	1,300	4.0	25	5
10903	trans-1,2-Dichloroethene	156-60-5	6.9 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	3,100	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	26	5.0	25	5

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: PW-3 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY PW-3

LLI Sample # WW 6348763
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 10:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNBP3

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	T112011AA	07/20/2011 16:49	Linda C Pape	5
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T112011AA	07/20/2011 17:13	Linda C Pape	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 16:49	Linda C Pape	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T112011AA	07/20/2011 17:13	Linda C Pape	50

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



Analysis Report

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

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Sample Description: Field Dup #3 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY Field Dup #3

LLI Sample # WW 6348764
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBFD

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	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	8.3 J	4.0	25	5
10903	cis-1,2-Dichloroethene	156-59-2	1,300	4.0	25	5
10903	trans-1,2-Dichloroethene	156-60-5	7.1 J	4.0	25	5
10903	1,2-Dichloropropane	78-87-5	N.D.	5.0	25	5
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	5.0	25	5
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	5.0	25	5
10903	Methylene Chloride	75-09-2	N.D.	10	25	5
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	5.0	25	5
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	5.0	25	5
10903	Tetrachloroethene	127-18-4	N.D.	4.0	25	5
10903	1,1,1-Trichloroethane	71-55-6	N.D.	4.0	25	5
10903	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10903	Trichloroethene	79-01-6	2,900	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	26	5.0	25	5

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: Field Dup #3 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY Field Dup #3

LLI Sample # WW 6348764
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBFD

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	T112011AA	07/20/2011 17:36	Linda C Pape	5
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T112011AA	07/20/2011 17:59	Linda C Pape	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 17:36	Linda C Pape	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T112011AA	07/20/2011 17:59	Linda C Pape	50

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



Analysis Report

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

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Sample Description: B-18 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-18

LLI Sample # WW 6348765
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNB18

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	8.1	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	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	4.6 J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-18 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-18

LLI Sample # WW 6348765
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNB18

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	T112011AA	07/20/2011 14:05	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 14:05	Linda C Pape	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: 192420
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6348766
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBB8

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.	200	1,000	200
10903	Bromobenzene	108-86-1	N.D.	200	1,000	200
10903	Bromodichloromethane	75-27-4	N.D.	200	1,000	200
10903	Bromoform	75-25-2	N.D.	200	1,000	200
10903	Bromomethane	74-83-9	N.D.	200	1,000	200
10903	Carbon Tetrachloride	56-23-5	N.D.	200	1,000	200
10903	Chlorobenzene	108-90-7	N.D.	160	1,000	200
10903	Chloroethane	75-00-3	N.D.	200	1,000	200
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	400	2,000	200
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	160	1,000	200
10903	Chloromethane	74-87-3	N.D.	200	1,000	200
10903	Dibromochloromethane	124-48-1	N.D.	200	1,000	200
10903	Dibromomethane	74-95-3	N.D.	200	1,000	200
10903	1,2-Dichlorobenzene	95-50-1	N.D.	200	1,000	200
10903	1,3-Dichlorobenzene	541-73-1	N.D.	200	1,000	200
10903	1,4-Dichlorobenzene	106-46-7	N.D.	200	1,000	200
10903	Dichlorodifluoromethane	75-71-8	N.D.	400	1,000	200
10903	1,1-Dichloroethane	75-34-3	N.D.	200	1,000	200
10903	1,2-Dichloroethane	107-06-2	N.D.	200	1,000	200
10903	1,1-Dichloroethene	75-35-4	N.D.	160	1,000	200
10903	cis-1,2-Dichloroethene	156-59-2	5,400	160	1,000	200
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	160	1,000	200
10903	1,2-Dichloropropane	78-87-5	N.D.	200	1,000	200
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	200	1,000	200
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	200	1,000	200
10903	Methylene Chloride	75-09-2	N.D.	400	1,000	200
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	200	1,000	200
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	200	1,000	200
10903	Tetrachloroethene	127-18-4	N.D.	160	1,000	200
10903	1,1,1-Trichloroethane	71-55-6	N.D.	160	1,000	200
10903	1,1,2-Trichloroethane	79-00-5	N.D.	160	1,000	200
10903	Trichloroethene	79-01-6	83,000	2,000	10,000	2000
10903	Trichlorofluoromethane	75-69-4	N.D.	400	1,000	200
10903	1,2,3-Trichloropropane	96-18-4	N.D.	200	1,000	200
10903	Vinyl Chloride	75-01-4	400 J	200	1,000	200

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-8 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6348766
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNBB8

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	T112011AA	07/20/2011 18:23	Linda C Pape	200
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	T112011AA	07/20/2011 19:33	Linda C Pape	2000
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 18:23	Linda C Pape	200
01163	GC/MS VOA Water Prep	SW-846 5030B	2	T112011AA	07/20/2011 19:33	Linda C Pape	2000

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



Analysis Report

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

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Sample Description: B-8MS Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6348767
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBB8

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	4,000	200	1,000	200
10903	Bromobenzene	108-86-1	4,100	200	1,000	200
10903	Bromodichloromethane	75-27-4	5,000	200	1,000	200
10903	Bromoform	75-25-2	3,600	200	1,000	200
10903	Bromomethane	74-83-9	4,500	200	1,000	200
10903	Carbon Tetrachloride	56-23-5	5,900	200	1,000	200
10903	Chlorobenzene	108-90-7	4,400	160	1,000	200
10903	Chloroethane	75-00-3	4,800	200	1,000	200
10903	2-Chloroethyl Vinyl Ether	110-75-8	3,900	400	2,000	200
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	5,300	160	1,000	200
10903	Chloromethane	74-87-3	5,100	200	1,000	200
10903	Dibromochloromethane	124-48-1	4,300	200	1,000	200
10903	Dibromomethane	74-95-3	4,700	200	1,000	200
10903	1,2-Dichlorobenzene	95-50-1	4,100	200	1,000	200
10903	1,3-Dichlorobenzene	541-73-1	4,200	200	1,000	200
10903	1,4-Dichlorobenzene	106-46-7	4,100	200	1,000	200
10903	Dichlorodifluoromethane	75-71-8	4,600	400	1,000	200
10903	1,1-Dichloroethane	75-34-3	5,600	200	1,000	200
10903	1,2-Dichloroethane	107-06-2	5,800	200	1,000	200
10903	1,1-Dichloroethene	75-35-4	5,600	160	1,000	200
10903	cis-1,2-Dichloroethene	156-59-2	11,000	160	1,000	200
10903	trans-1,2-Dichloroethene	156-60-5	5,100	160	1,000	200
10903	1,2-Dichloropropane	78-87-5	5,000	200	1,000	200
10903	cis-1,3-Dichloropropene	10061-01-5	4,600	200	1,000	200
10903	trans-1,3-Dichloropropene	10061-02-6	4,600	200	1,000	200
10903	Methylene Chloride	75-09-2	5,100	400	1,000	200
10903	1,1,1,2-Tetrachloroethane	630-20-6	4,400	200	1,000	200
10903	1,1,2,2-Tetrachloroethane	79-34-5	4,100	200	1,000	200
10903	Tetrachloroethene	127-18-4	4,900	160	1,000	200
10903	1,1,1-Trichloroethane	71-55-6	5,700	160	1,000	200
10903	1,1,2-Trichloroethane	79-00-5	4,200	160	1,000	200
10903	Trichloroethene	79-01-6	92,000	E 200	1,000	200
10903	Trichlorofluoromethane	75-69-4	5,400	400	1,000	200
10903	1,2,3-Trichloropropane	96-18-4	4,500	200	1,000	200
10903	Vinyl Chloride	75-01-4	5,500	200	1,000	200

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-8MS Water

BP Sanborn COC: 192420

2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6348767

LLI Group # 1257007

Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

BP Corporation

Submitted: 07/19/2011 09:30

501 WestLake Park Blvd

Reported: 07/25/2011 12:50

Houston TX 77079

SNBB8

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	T112011AA	07/20/2011 18:46	Linda C Pape	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 18:46	Linda C Pape	200

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



Analysis Report

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

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Sample Description: B-8MSD Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6348768
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNBB8

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	3,900	200	1,000	200
10903	Bromobenzene	108-86-1	4,100	200	1,000	200
10903	Bromodichloromethane	75-27-4	4,900	200	1,000	200
10903	Bromoform	75-25-2	3,400	200	1,000	200
10903	Bromomethane	74-83-9	4,200	200	1,000	200
10903	Carbon Tetrachloride	56-23-5	5,700	200	1,000	200
10903	Chlorobenzene	108-90-7	4,200	160	1,000	200
10903	Chloroethane	75-00-3	4,500	200	1,000	200
10903	2-Chloroethyl Vinyl Ether	110-75-8	4,000	400	2,000	200
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	5,200	160	1,000	200
10903	Chloromethane	74-87-3	4,700	200	1,000	200
10903	Dibromochloromethane	124-48-1	4,200	200	1,000	200
10903	Dibromomethane	74-95-3	4,600	200	1,000	200
10903	1,2-Dichlorobenzene	95-50-1	4,000	200	1,000	200
10903	1,3-Dichlorobenzene	541-73-1	4,200	200	1,000	200
10903	1,4-Dichlorobenzene	106-46-7	4,100	200	1,000	200
10903	Dichlorodifluoromethane	75-71-8	4,500	400	1,000	200
10903	1,1-Dichloroethane	75-34-3	5,500	200	1,000	200
10903	1,2-Dichloroethane	107-06-2	5,600	200	1,000	200
10903	1,1-Dichloroethene	75-35-4	5,500	160	1,000	200
10903	cis-1,2-Dichloroethene	156-59-2	10,000	160	1,000	200
10903	trans-1,2-Dichloroethene	156-60-5	5,000	160	1,000	200
10903	1,2-Dichloropropane	78-87-5	4,900	200	1,000	200
10903	cis-1,3-Dichloropropene	10061-01-5	4,600	200	1,000	200
10903	trans-1,3-Dichloropropene	10061-02-6	4,500	200	1,000	200
10903	Methylene Chloride	75-09-2	5,100	400	1,000	200
10903	1,1,1,2-Tetrachloroethane	630-20-6	4,300	200	1,000	200
10903	1,1,2,2-Tetrachloroethane	79-34-5	4,100	200	1,000	200
10903	Tetrachloroethene	127-18-4	4,600	160	1,000	200
10903	1,1,1-Trichloroethane	71-55-6	5,600	160	1,000	200
10903	1,1,2-Trichloroethane	79-00-5	4,100	160	1,000	200
10903	Trichloroethene	79-01-6	84,000	E 200	1,000	200
10903	Trichlorofluoromethane	75-69-4	5,100	400	1,000	200
10903	1,2,3-Trichloropropane	96-18-4	4,500	200	1,000	200
10903	Vinyl Chloride	75-01-4	5,200	200	1,000	200

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-8MSD Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-8

LLI Sample # WW 6348768
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNBB8

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	T112011AA	07/20/2011 19:10	Linda C Pape	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 19:10	Linda C Pape	200

*=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-26 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6348769
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNB26

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	8.9	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-26 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-26

LLI Sample # WW 6348769
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 13:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNB26

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	T112011AA	07/20/2011 14:29	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 14:29	Linda C Pape	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-31 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-31

LLI Sample # WW 6348770
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd

Houston TX 77079

SNB31

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	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-31 Water
BP Sanborn COC: 192420
2040 Cory Drive - Sanborn, NY B-31

LLI Sample # WW 6348770
LLI Group # 1257007
Account # 12495

Project Name: BP Sanborn

Collected: 07/18/2011 14:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/19/2011 09:30

BP Corporation

Reported: 07/25/2011 12:50

501 WestLake Park Blvd
Houston TX 77079

SNB31

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	T112011AA	07/20/2011 14:52	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112011AA	07/20/2011 14:52	Linda C Pape	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/25/11 at 12:50 PM

Group Number: 1257007

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: T112011AA Sample number(s): 6348760-6348770									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	91		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	88		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	106		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	81		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	92		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	111		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	93		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	99		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	95		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	110		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	99		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	86		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	90		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	87		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	90		47-120		
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	124		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	94		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	97		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	105		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	100		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	95		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	86		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	112		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	94		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	100		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	106		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	103		65-125		

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: 07/25/11 at 12:50 PM

Group Number: 1257007

<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: T112011AA	Sample number(s): 6348760-6348770 UNSPK: 6348766								
Benzyl Chloride	99	98	62-120	1	30				
Bromobenzene	102	102	82-115	0	30				
Bromodichloromethane	126*	123	78-125	3	30				
Bromoform	90	86	60-121	4	30				
Bromomethane	112	104	38-149	7	30				
Carbon Tetrachloride	148*	142*	81-138	4	30				
Chlorobenzene	111	105	87-124	5	30				
Chloroethane	120	111	51-145	8	30				
2-Chloroethyl Vinyl Ether	97	100	10-151	3	30				
Chloroform	133	129	81-134	3	30				
Chloromethane	127	118	67-154	7	30				
Dibromochloromethane	108	106	74-116	2	30				
Dibromomethane	117	114	83-119	2	30				
1,2-Dichlorobenzene	103	100	84-119	4	30				
1,3-Dichlorobenzene	106	105	86-121	1	30				
1,4-Dichlorobenzene	103	103	85-121	0	30				
Dichlorodifluoromethane	116	112	52-129	4	30				
1,1-Dichloroethane	140*	138*	84-129	2	30				
1,2-Dichloroethane	145*	141	66-141	3	30				
1,1-Dichloroethene	140	137	85-142	2	30				
cis-1,2-Dichloroethene	130*	119	85-125	4	30				
trans-1,2-Dichloroethene	127*	125	87-126	1	30				
1,2-Dichloropropane	126*	123	83-124	3	30				
cis-1,3-Dichloropropene	116	116	75-125	0	30				
trans-1,3-Dichloropropene	114	111	74-119	3	30				
Methylene Chloride	129*	127*	79-120	1	30				
1,1,1,2-Tetrachloroethane	109	109	82-119	0	30				
1,1,2,2-Tetrachloroethane	102	102	72-128	0	30				
Tetrachloroethene	122	116	80-128	5	30				
1,1,1-Trichloroethane	142	140	80-143	1	30				
1,1,2-Trichloroethane	105	101	77-124	3	30				
Trichloroethene	281 (2)	92 (2)	88-133	9	30				
Trichlorofluoromethane	135	127	73-152	6	30				
1,2,3-Trichloropropane	112	114	76-118	2	30				
Vinyl Chloride	127	119	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: T112011AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6348760	111	101	99	105
6348761	110	102	100	105
6348762	112	102	99	106
6348763	112	103	101	107
6348764	112	104	102	107
6348765	109	102	100	106
6348766	110	103	102	107
6348767	107	102	103	110
6348768	105	103	101	109

*- 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: 07/25/11 at 12:50 PM

Group Number: 1257007

Surrogate Quality Control

6348769	110	98	99	104
6348770	110	103	99	105
Blank	107	103	100	106
LCS	106	101	103	110
MS	107	102	103	110
MSD	105	103	101	109
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 #: 1257007

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:**SW-846 8260B, GC/MS Volatiles**

Batch #: T112011AA (Sample number(s): 6348760-6348770 UNSPK: 6348766)

The recovery(ies) for the following analyte(s) in the MS and/or MSD was outside the acceptance window: Methylene Chloride, 1,1-Dichloroethane, Carbon Tetrachloride, trans-1,2-Dichloroethene, cis-1,2-Dichloroethene, 1,2-Dichloroethane, Trichloroethene, 1,2-Dichloropropane, Bromodichloromethane

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

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

Lab Name: <u>Lancaster Lab</u>				BP/ARC Facility Address: <u>2040 Cowy Dr.</u>				Consultant/Contractor: <u>Parsons</u>							
Lab Address: <u>2425 Dearthell Blvd 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>NYS DEC</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>D0084-0001</u>				Phone: <u>(616) 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>60</u> Activity: <u>81</u>				Invoice To: <u>BP/ARC</u> Contractor _____							
BP/ARC EBM: <u>Bill Byrber</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-7	7/18/11	0940	X			3	X					X	use EQUIS format	
	B-14	"	1025	X			3	X					X		
	B-11	"	1230	X			3	X					X		
	PW-3	"	1050	X			3	X					X		
	Field P.p#3	"		X			3	X					X		
	B-18	"	1220	X			3	X					X		
	B-8	"	1210	X			3	X					X		
	B-8 ms	"	1210	X			3	X					X		
	B-8 MSD	"	1210	X			3	X					X		
Sampler's Name: <u>Richard C Baker</u>				Relinquished By / Affiliation				Date	Time	Accepted By / Affiliation				Date	Time
Sampler's Company: <u>Arm Enterprises Inc.</u>				<u>Richard C Baker</u>				7/18/11	1730						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/13/11</u>															
Shipment Tracking No: <u>870059207916</u>														7/19/11	1430
Special Instructions: <u>quarterly samples</u>															

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



Lab Work Order Number:

Page 2 of 2

MS/MSD Sample Submitted: Yes / No

BP/ARC LaMP COC Rev. 6 01/01/2009

7.3'

Environmental Sample Administration Receipt Documentation Log

Client/Project: O+M
Date of Receipt: 7/19/11
Time of Receipt: 930
Source Code: SO-1

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

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

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	0429951	2.3	TB	WI	Y	B	
2			/				
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Samples B-26 and B-31 times switched.
Follow the sample IDs on each vial and the
collection times from the COC per R. Becker.
LF 7/19/11

Unpacker Signature/Emp#:

BZ-2308

Date/Time:

7/19/11 1235

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, 2011

Project: BP Sanborn

Submittal Date: 07/20/2011

Group Number: 1257275

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-46 Water	6350138
B-56 Water	6350139
B-56 Matrix Spike Water	6350140
B-56 Matrix Spike Dup Water	6350141
B-58 Water	6350142
Field Dup #4 Water	6350143
B-24 Water	6350144
B-57 Water	6350145
B-45 Water	6350146
B-33 Water	6350147
B-32 Water	6350148

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Robin C. Runkle
Senior Specialist



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-46 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6350138
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB46

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	8.9	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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Page 2 of 2

Sample Description: B-46 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-46

LLI Sample # WW 6350138
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB46

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	Y112032AA	07/22/2011 20:07	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 20:07	Frank A Valla, Jr	1

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



Analysis Report

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Sample Description: B-56 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6350139
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB56

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-56 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6350139
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB56

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	Y112032AA	07/22/2011 20:28	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 20:28	Frank A Valla, Jr	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-56 Matrix Spike Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6350140
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB56

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	23	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	21	1.0	5.0	1
10903	Bromomethane	74-83-9	16	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	16	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	20	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	20	0.80	5.0	1
10903	Chloromethane	74-87-3	16	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	22	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	22	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	16	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	18	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	22	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	19	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	17	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	21	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	16	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	24	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	18	0.80	5.0	1
10903	Trichloroethene	79-01-6	160	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	17	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	18	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-56 Matrix Spike Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6350140
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB56

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	Y112032AA	07/22/2011 20:49	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 20:49	Frank A Valla, Jr	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-56 Matrix Spike Dup Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6350141
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB56

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	23	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	20	1.0	5.0	1
10903	Bromoform	75-25-2	21	1.0	5.0	1
10903	Bromomethane	74-83-9	16	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	22	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	17	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	16	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	23	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	22	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	17	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	19	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	22	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	19	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	18	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	21	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	17	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	25	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	19	0.80	5.0	1
10903	Trichloroethene	79-01-6	150	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	17	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	18	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-56 Matrix Spike Dup Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-56

LLI Sample # WW 6350141
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 11:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB56

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	Y112032AA	07/22/2011 21:10	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 21:10	Frank A Valla, Jr	1

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



Analysis Report

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Sample Description: B-58 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-58

LLI Sample # WW 6350142
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB58

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-58 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-58

LLI Sample # WW 6350142
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 10:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB58

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	Y112032AA	07/22/2011 21:30	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 21:30	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: Field Dup #4 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY Field Dup #4

LLI Sample # WW 6350143
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SB-D4

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	9.1	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	2.9 J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: Field Dup #4 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY Field Dup #4

LLI Sample # WW 6350143
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SB-D4

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	Y112032AA	07/22/2011 21:51	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 21:51	Frank A Valla, Jr	1



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-24 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-24

LLI Sample # WW 6350144
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB24

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	1.0 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	3.5 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

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: 192418
2040 Cory Drive - Sanborn, NY B-24

LLI Sample # WW 6350144
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 12:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB24

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	Y112032AA	07/22/2011 22:12	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 22:12	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: B-57 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6350145
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB57

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-57 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-57

LLI Sample # WW 6350145
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB57

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	Y112032AA	07/22/2011 22:33	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 22:33	Frank A Valla, Jr	1

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



Analysis Report

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Sample Description: B-45 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-45

LLI Sample # WW 6350146
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 14:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB45

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-45 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-45

LLI Sample # WW 6350146
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 14:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB45

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	Y112032AA	07/22/2011 22:54	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 22:54	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: B-33 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-33

LLI Sample # WW 6350147
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB33

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-33 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-33

LLI Sample # WW 6350147
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 14:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB33

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	Y112032AA	07/22/2011 23:15	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 23:15	Frank A Valla, Jr	1

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



Analysis Report

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

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Sample Description: B-32 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-32

LLI Sample # WW 6350148
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd

Houston TX 77079

SBB32

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	1.0 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	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	54	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.4 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	15	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	4.7 J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-32 Water
BP Sanborn COC: 192418
2040 Cory Drive - Sanborn, NY B-32

LLI Sample # WW 6350148
LLI Group # 1257275
Account # 12495

Project Name: BP Sanborn

Collected: 07/19/2011 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/20/2011 09:15

BP Corporation

Reported: 07/26/2011 18:26

501 WestLake Park Blvd
Houston TX 77079

SBB32

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	Y112032AA	07/22/2011 23:36	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y112032AA	07/22/2011 23:36	Frank A Valla, Jr	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/26/11 at 06:26 PM

Group Number: 1257275

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: Y112032AA	Sample number(s): 6350138-6350148								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	80		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	112		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	100		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	105		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	76		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	100		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	103		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	78		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	100		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	100		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	75		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	100		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	110		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	107		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	71		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	96		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	104		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	85		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		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	92		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	85		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	92		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	81		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	115		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	100		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	92		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	102		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	78		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	93		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	78		65-125		

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
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*- 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: 07/26/11 at 06:26 PM

Group Number: 1257275

<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: Y112032AA	Sample number(s): 6350138-6350148 UNSPK: 6350139								
Benzyl Chloride	80	82	62-120	3	30				
Bromobenzene	113	117*	82-115	4	30				
Bromodichloromethane	100	101	78-125	1	30				
Bromoform	104	105	60-121	1	30				
Bromomethane	79	80	38-149	2	30				
Carbon Tetrachloride	107	109	81-138	2	30				
Chlorobenzene	105	108	87-124	2	30				
Chloroethane	81	84	51-145	3	30				
2-Chloroethyl Vinyl Ether	99	103	10-151	4	30				
Chloroform	101	104	81-134	2	30				
Chloromethane	78	80	67-154	3	30				
Dibromochloromethane	101	102	74-116	1	30				
Dibromomethane	100	99	83-119	1	30				
1,2-Dichlorobenzene	102	106	84-119	4	30				
1,3-Dichlorobenzene	111	115	86-121	3	30				
1,4-Dichlorobenzene	108	110	85-121	2	30				
Dichlorodifluoromethane	80	83	52-129	3	30				
1,1-Dichloroethane	103	105	84-129	2	30				
1,2-Dichloroethane	104	105	66-141	1	30				
1,1-Dichloroethene	92	93	85-142	1	30				
cis-1,2-Dichloroethene	106	106	85-125	0	30				
trans-1,2-Dichloroethene	104	107	87-126	3	30				
1,2-Dichloropropane	94	97	83-124	2	30				
cis-1,3-Dichloropropene	99	101	75-125	3	30				
trans-1,3-Dichloropropene	86	88	74-119	2	30				
Methylene Chloride	92	95	79-120	4	30				
1,1,1,2-Tetrachloroethane	106	106	82-119	0	30				
1,1,2,2-Tetrachloroethane	81	84	72-128	4	30				
Tetrachloroethene	122	125	80-128	3	30				
1,1,1-Trichloroethane	109	110	80-143	1	30				
1,1,2-Trichloroethane	92	94	77-124	2	30				
Trichloroethene	110 (2)	78 (2)	88-133	4	30				
Trichlorofluoromethane	85	85	73-152	0	30				
1,2,3-Trichloropropane	92	93	76-118	2	30				
Vinyl Chloride	88	90	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: Y112032AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6350138	105	107	90	87
6350139	105	106	90	86
6350140	106	109	92	91
6350141	105	110	91	90
6350142	104	106	91	88
6350143	105	108	91	87
6350144	105	108	91	86
6350145	106	109	90	88
6350146	106	109	89	86

*- 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: 07/26/11 at 06:26 PM

Group Number: 1257275

Surrogate Quality Control

6350147	106	107	90	87
6350148	106	107	90	86
Blank	105	106	90	87
LCS	106	110	92	91
MS	106	109	92	91
MSD	105	110	91	90
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

Project Name: BP Sanborn
LLI Group #: 1257275

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:**SW-846 8260B, GC/MS Volatiles**

Batch #: Y112032AA (Sample number(s): 6350138-6350148 UNSPK: 6350139)

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

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

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

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>Samborn, NY 14132</u>				Consultant/Contractor Project No: _____																
Lab PM: <u>Jessica Oknefski</u>				Lead Regulatory Agency: <u>NYSDEC</u>				Address: <u>40 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>D00B4-0001</u>				Phone: <u>(716) 407-4790</u>																
Lab Bottle Order No: _____				Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____				Email EDD To: <u>Lorraine Lyder</u>																
Other Info: _____				Stage: <u>60</u> Activity: <u>81</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>(716) 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-46	7/19/11	0945	X			3	X						X										use EQUIS format
	B-56	7/19/11	1135	X			3	X						X										
	B-58	7/19/11	1040	X			3	X						X										
	Field Rep #4	7/19/11		X			3	X						X										Quarterly per R. Becker
	B-24	7/19/11	1205	X			3	X						X										LF 7/21/11
	B-57	7/19/11	1215	X			3	X						X										
	B-45	7/19/11	1425	X			3	X						X										
	B-56 ms	7/19/11	1135																					
	B-56 MSD	7/19/11	1135																					
Sampler's Name: <u>Richard C. Becker</u>				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time						
Sampler's Company: <u>QAM Enterprises Inc.</u>				<u>Richard C. Becker</u>				7/19/11		1745														
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/19/11</u>																								
Shipment Tracking No: <u>870051289240</u>												<u>Suzette Lehman</u>				7/20/11		0925						
Special Instructions: _____																								

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No Temp Blank: Yes / No Cooler Temp on Receipt: 2.3 °F/C Trip Blank: Yes / No MS/MSD Sample Submitted: Yes / No



BP/ARC Project Name: BP-Sanborn
BP/ARC Facility No: _____

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

Page 2 of 2

Laboratory Copy

Environmental Sample Administration Receipt Documentation Log

Client/Project: Atlantic Richfield

Shipping Container Sealed: YES NO

Date of Receipt: 7/20/11

Custody Seal Present *: YES NO

Time of Receipt: 0915

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

Source Code: 50-1

Package: Chilled Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	9422	2.3	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

• collection date on ~~COC~~ label for B-32 is 7/19/11
per 7/20/11
 The COC incorrectly listed collection date as 7/12/11.
 Confirmed w/ R. Becker that 7/19 is correct date.
LF 7/21/11

Unpacker Signature/Emp# Suzette Lehman 1677 Date/Time: 7/20/11 12:45

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, 2011

Project: BP Sanborn

Submittal Date: 07/21/2011

Group Number: 1257539

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

Client Sample DescriptionLancaster Labs (LLI) #

B-10 Water	6352277
Field Dup #5 Water	6352278
PW-4 Water	6352279
P-2 Water	6352280
B-39 Water	6352281
B-40 Water	6352282
B-41 Water	6352283
B-48 Water	6352284
B-48MS Water	6352285
B-48MSD Water	6352286
B-49 Water	6352287
P-4 Water	6352288

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Robin C. Runkle
Senior Specialist



Analysis Report

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Page 1 of 2

Sample Description: B-10 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6352277
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B10--

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	2.5 J	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	32	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Page 2 of 2

Sample Description: B-10 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-10

LLI Sample # WW 6352277
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 12:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

B10--

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	W112031AA	07/22/2011 16:46	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 16:46	Emily R Styer	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: Field Dup #5 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY Field Dup #5

LLI Sample # WW 6352278
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

FD5--

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	1.0 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	2.2 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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: Field Dup #5 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY Field Dup #5

LLI Sample # WW 6352278
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

FD5--

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	W112031AA	07/22/2011 17:10	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 17:10	Emily R Styer	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: PW-4 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY PW-4

LLI Sample # WW 6352279
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 12:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

PW4--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	13	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	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	110	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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: PW-4 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY PW-4

LLI Sample # WW 6352279
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 12:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

PW4--

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	W112031AA	07/22/2011 17:34	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 17:34	Emily R Styer	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: P-2 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY P-2

LLI Sample # WW 6352280
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

-P2--

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	98	5.0	25	5
10903	1,2-Dichloroethane	107-06-2	N.D.	5.0	25	5
10903	1,1-Dichloroethene	75-35-4	25	4.0	25	5
10903	cis-1,2-Dichloroethene	156-59-2	1,600	40	250	50
10903	trans-1,2-Dichloroethene	156-60-5	11 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	630	4.0	25	5
10903	1,1,2-Trichloroethane	79-00-5	N.D.	4.0	25	5
10903	Trichloroethene	79-01-6	6,000	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	57	5.0	25	5

General Sample Comments

State of New York Certification No. 10670

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

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



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: P-2 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY P-2

LLI Sample # WW 6352280
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 12:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

-P2--

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	W112031AA	07/22/2011 20:45	Emily R Styer	5
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W112031AA	07/22/2011 21:09	Emily R Styer	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 20:45	Emily R Styer	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W112031AA	07/22/2011 21:09	Emily R Styer	50

*=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-39 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-39

LLI Sample # WW 6352281
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B39--

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	0.88 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	2.2 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-39 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-39

LLI Sample # WW 6352281
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 09:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

B39--

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	W112031AA	07/22/2011 17:58	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 17:58	Emily R Styer	1

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



Analysis Report

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

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Sample Description: B-40 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-40

LLI Sample # WW 6352282
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B40--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	3.4 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	2.0 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-40 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-40

LLI Sample # WW 6352282
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 10:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

B40--

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	W112031AA	07/22/2011 18:22	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 18:22	Emily R Styer	1

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



Analysis Report

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

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Sample Description: B-41 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6352283
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B41--

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-41 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-41

LLI Sample # WW 6352283
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 11:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

B41--

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	W112031AA	07/22/2011 18:46	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 18:46	Emily R Styer	1

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



Analysis Report

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Sample Description: B-48 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6352284
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B48--

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-48 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6352284
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B48--

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	W112031AA	07/22/2011 19:09	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 19:09	Emily R Styer	1

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



Analysis Report

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Sample Description: B-48MS Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6352285
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B48--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	18	1.0	5.0	1
10903	Bromobenzene	108-86-1	21	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	22	1.0	5.0	1
10903	Bromomethane	74-83-9	15	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	20	0.80	5.0	1
10903	Chloroethane	75-00-3	16	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	13	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	23	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	22	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	22	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	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	19	1.0	5.0	1
10903	Methylene Chloride	75-09-2	20	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	17	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	20	0.80	5.0	1
10903	Trichloroethene	79-01-6	23	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	22	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	19	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-48MS Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6352285
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

B48--

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	W112031AA	07/22/2011 19:33	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 19:33	Emily R Styer	1

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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-48MSD Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6352286
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B48--

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	18	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	22	1.0	5.0	1
10903	Bromomethane	74-83-9	15	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	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	13	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	18	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	23	1.0	5.0	1
10903	Dibromomethane	74-95-3	20	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	20	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	20	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	19	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	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	21	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	21	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	21	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	19	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	20	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	22	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	17	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	23	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	22	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	19	0.80	5.0	1
10903	Trichloroethene	79-01-6	22	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	18	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-48MSD Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-48

LLI Sample # WW 6352286
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B48--

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	W112031AA	07/22/2011 19:57	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 19:57	Emily R Styer	1

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



Analysis Report

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

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Sample Description: B-49 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-49

LLI Sample # WW 6352287
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 14:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

B49--

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-49 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY B-49

LLI Sample # WW 6352287
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 14:55 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

B49--

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	W112031AA	07/22/2011 20:21	Emily R Styer	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 20:21	Emily R Styer	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: P-4 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY P-4

LLI Sample # WW 6352288
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 15:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd

Houston TX 77079

P4---

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	29	2.0	10	2
10903	1,2-Dichloroethane	107-06-2	N.D.	2.0	10	2
10903	1,1-Dichloroethene	75-35-4	7.8 J	1.6	10	2
10903	cis-1,2-Dichloroethene	156-59-2	750	16	100	20
10903	trans-1,2-Dichloroethene	156-60-5	10	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	7.8 J	1.6	10	2
10903	1,1,2-Trichloroethane	79-00-5	N.D.	1.6	10	2
10903	Trichloroethene	79-01-6	1,400	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	N.D.	2.0	10	2

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: P-4 Water
BP Sanborn COC: 192181
2040 Cory Drive - Sanborn, NY P-4

LLI Sample # WW 6352288
LLI Group # 1257539
Account # 12495

Project Name: BP Sanborn

Collected: 07/20/2011 15:05 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/21/2011 09:15

BP Corporation

Reported: 07/27/2011 20:21

501 WestLake Park Blvd
Houston TX 77079

P4---

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	W112031AA	07/22/2011 21:33	Emily R Styer	2
10903	VOCs 8260 Parsons Specs List	SW-846 8260B	1	W112031AA	07/22/2011 21:57	Emily R Styer	20
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112031AA	07/22/2011 21:33	Emily R Styer	2
01163	GC/MS VOA Water Prep	SW-846 5030B	2	W112031AA	07/22/2011 21:57	Emily R Styer	20

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/27/11 at 08:21 PM

Group Number: 1257539

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: W112031AA Sample number(s): 6352277-6352288									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	95		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	108		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	115		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	72		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	110		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	98		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	78		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	73		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	98		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	82		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	115		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	96		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	84		47-120		
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	96		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	101		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	95		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	102		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	96		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	100		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	107		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	86		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	101		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	96		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	100		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	89		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	93		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	84		65-125		

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: 07/27/11 at 08:21 PM

Group Number: 1257539

<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: W112031AA Sample number(s): 6352277-6352288 UNSPK: 6352284									
Benzyl Chloride	89	90	62-120	1	30				
Bromobenzene	104	102	82-115	2	30				
Bromodichloromethane	111	109	78-125	1	30				
Bromoform	111	110	60-121	2	30				
Bromomethane	77	76	38-149	1	30				
Carbon Tetrachloride	122	118	81-138	3	30				
Chlorobenzene	101	101	87-124	0	30				
Chloroethane	78	75	51-145	4	30				
2-Chloroethyl Vinyl Ether	67	67	10-151	1	30				
Chloroform	103	101	81-134	2	30				
Chloromethane	98	89	67-154	9	30				
Dibromochloromethane	113	113	74-116	0	30				
Dibromomethane	102	100	83-119	2	30				
1,2-Dichlorobenzene	98	96	84-119	2	30				
1,3-Dichlorobenzene	102	101	86-121	0	30				
1,4-Dichlorobenzene	101	100	85-121	1	30				
Dichlorodifluoromethane	101	96	52-129	5	30				
1,1-Dichloroethane	102	100	84-129	2	30				
1,2-Dichloroethane	100	98	66-141	2	30				
1,1-Dichloroethene	110	107	85-142	3	30				
cis-1,2-Dichloroethene	109	106	85-125	2	30				
trans-1,2-Dichloroethene	109	106	87-126	2	30				
1,2-Dichloropropane	98	95	83-124	3	30				
cis-1,3-Dichloropropene	101	100	75-125	1	30				
trans-1,3-Dichloropropene	95	93	74-119	2	30				
Methylene Chloride	102	100	79-120	1	30				
1,1,1,2-Tetrachloroethane	111	108	82-119	2	30				
1,1,2,2-Tetrachloroethane	87	86	72-128	1	30				
Tetrachloroethene	114	114	80-128	0	30				
1,1,1-Trichloroethane	111	109	80-143	2	30				
1,1,2-Trichloroethane	98	95	77-124	3	30				
Trichloroethene	108	104	88-133	3	30				
Trichlorofluoromethane	109	103	73-152	6	30				
1,2,3-Trichloropropane	93	93	76-118	0	30				
Vinyl Chloride	96	92	66-133	5	30				

Surrogate Quality Control

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

Analysis Name: PPL + Xylene (total) by 8260

Batch number: W112031AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6352277	105	106	96	88
6352278	105	107	96	87
6352279	104	106	97	87
6352280	106	105	96	87
6352281	106	104	96	87
6352282	105	103	96	87
6352283	104	101	97	88
6352284	104	104	97	87
6352285	106	106	97	93

*- 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: 07/27/11 at 08:21 PM

Group Number: 1257539

Surrogate Quality Control

6352286	105	107	97	92
6352287	105	104	96	87
6352288	106	105	95	86
Blank	104	104	96	89
LCS	104	107	96	92
MS	106	106	97	93
MSD	105	107	97	92
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

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

Project Name: BP Sanborn
LLI Group #: 1257539

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

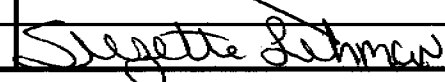
Analysis Specific Comments:

No additional comments are necessary.

BP/ARC Project Name: BP Sarnburn
BP/ARC Facility No: _____

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

Lab Name: <u>Lawrence Labs</u>				BP/ARC Facility Address: <u>2040 Cory Dr.</u>				Consultant/Contractor: <u>Parsons</u>			
Lab Address: <u>2425 Northland Pike Lancaster, PA 17601</u>				City, State, ZIP Code: <u>Sarnburn, NY 14132</u>				Consultant/Contractor Project No: _____			
Lab PM: <u>Jessica Oknefski</u>				Lead Regulatory Agency: <u>DYS DEC</u>				Address: <u>40 LaRue 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>D00B4-0001</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>60</u> Activity: <u>81</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) 271-8638</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-10	7/20/11	1225				3						8260						Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.		
	Field Dup #5	7/20/11					3														
	PW-4	7/20/11	1235				3														
	P-2	7/20/11	1230				3														
	B-39	7/20/11	0910				3														
	B-40	7/20/11	1000				3														
	B-41	7/20/11	1140				3														
	B-48	7/20/11	1350				3														
	B-48 MS	7/20/11	1350				3														
	B-48 MSD	7/20/11	1350				3														
Sampler's Name: <u>Richard C. Becker</u>				Relinquished By / Affiliation				Date		Time		Accepted By / Affiliation				Date		Time			
Sampler's Company: <u>O&M Enterprises Inc.</u>				<u>Richard C Becker O&M</u>				7/20/11		1700											
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/20/11</u>																					
Shipment Tracking No: <u>870059289250</u>																					
Special Instructions: _____																					

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes No

Temp Blank: Yes No

Cooler Temp on Receipt: 4.1 °F/C

Trip Blank: Yes No

MS/MSD Sample Submitted: Yes No

Page 2 of 2

Lab Work Order Number: _____

Laboratory Copy

Environmental Sample Administration Receipt Documentation Log

Client/Project: Atlantic Richfield

Shipping Container Sealed: YES NO

Date of Receipt: 7/21/11

Custody Seal Present *: YES NO

Time of Receipt: 0915

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

Source Code: SO-1

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	4.1	TB	WI	Y	B	
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: Suzette Lehman 167 Date/Time: 7/21/11 11:35

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, 2011

Project: BP Sanborn

Submittal Date: 07/22/2011
Group Number: 1257926
PO Number: D00B4-0001
Release Number: BARBER
State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-55 Water	6353668
B-54 Water	6353669
B-53 Water	6353670
B-52 Water	6353671
B-52MS Water	6353672
B-52MSD Water	6353673
B-6 Water	6353674
B-20 Water	6353675
B-50 Water	6353676
B-29 Water	6353677
B-23 Water	6353678
Field Dup #6 Water	6353679

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Robin C. Runkle
Senior Specialist



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-55 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-55

LLI Sample # WW 6353668
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

55---

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-55 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-55

LLI Sample # WW 6353668
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

55---

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	L112072AA	07/26/2011 17:10	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 17:10	Chelsea B Eastep	1

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



Analysis Report

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Sample Description: B-54 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-54

LLI Sample # WW 6353669
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-54 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-54

LLI Sample # WW 6353669
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:20 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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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	L112072AA	07/26/2011 17:32	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 17:32	Chelsea B Eastep	1

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



Analysis Report

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Sample Description: B-53 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-53

LLI Sample # WW 6353670
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	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	2.0 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	9.3	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Sample Description: B-53 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-53

LLI Sample # WW 6353670
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

53---

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	L112072AA	07/26/2011 17:54	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 17:54	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

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Sample Description: B-52 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6353671
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-52 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6353671
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

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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	L112072AA	07/26/2011 18:16	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 18:16	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-52MS Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6353672
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	18	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	18	1.0	5.0	1
10903	Bromomethane	74-83-9	12	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	16	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	18	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	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	21	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	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	18	1.0	5.0	1
10903	Methylene Chloride	75-09-2	20	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	19	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	20	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	19	0.80	5.0	1
10903	Trichloroethene	79-01-6	20	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	20	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-52MS Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6353672
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

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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	L112072AA	07/26/2011 18:38	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 18:38	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

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Sample Description: B-52MSD Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6353673
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	19	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	19	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	13	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	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	20	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	19	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	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	18	1.0	5.0	1
10903	Methylene Chloride	75-09-2	20	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	19	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	19	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	19	0.80	5.0	1
10903	Trichloroethene	79-01-6	20	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	19	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	18	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-52MSD Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-52

LLI Sample # WW 6353673
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 11:00 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

52---

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	L112072AA	07/26/2011 19:00	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 19:00	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

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Sample Description: B-6 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-6

LLI Sample # WW 6353674
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	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	190	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-6 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-6

LLI Sample # WW 6353674
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 12:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

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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	L112072AA	07/26/2011 19:21	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 19:21	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

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Sample Description: B-20 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-20

LLI Sample # WW 6353675
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-20 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-20

LLI Sample # WW 6353675
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 12:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

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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	L112072AA	07/26/2011 19:43	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 19:43	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

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Sample Description: B-50 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-50

LLI Sample # WW 6353676
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

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CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	13	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	1.0 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	53	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-50 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-50

LLI Sample # WW 6353676
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 13:25 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

50---

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	L112072AA	07/26/2011 20:05	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 20:05	Chelsea B Eastep	1

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



Analysis Report

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Sample Description: B-29 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-29

LLI Sample # WW 6353677
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 14:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

29---

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	5.8	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-29 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-29

LLI Sample # WW 6353677
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 14:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd
Houston TX 77079

29---

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	L112072AA	07/26/2011 20:28	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 20:28	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

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Sample Description: B-23 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6353678
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

23---

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	1.1 J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	260	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	0.86 J	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	3.7 J	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	28	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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: 206895
2040 Cory Drive - Sanborn, NY B-23

LLI Sample # WW 6353678
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 14:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

23---

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	L112072AA	07/26/2011 20:50	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 20:50	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: Field Dup #6 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY Field Dup #6

LLI Sample # WW 6353679
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

FD6--

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	5.3	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: Field Dup #6 Water
BP Sanborn COC: 206895
2040 Cory Drive - Sanborn, NY Field Dup #6

LLI Sample # WW 6353679
LLI Group # 1257926
Account # 12495

Project Name: BP Sanborn

Collected: 07/21/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/22/2011 10:10

BP Corporation

Reported: 07/27/2011 18:06

501 WestLake Park Blvd

Houston TX 77079

FD6--

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	L112072AA	07/26/2011 21:11	Chelsea B Eastep	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L112072AA	07/26/2011 21:11	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: 07/27/11 at 06:06 PM

Group Number: 1257926

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: L112072AA Sample number(s): 6353668-6353679									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	99		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	97		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	93		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	72		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	94		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	69		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	94		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	98		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	80		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	97		80-120		
Dibromomethane	N.D.	1.0	5.0	ug/l	94		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	100		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	78		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	97		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	93		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	94		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	97		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	98		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	96		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	96		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	94		80-121		
1,1,1-Trichloroethane	N.D.	0.80	5.0	ug/l	93		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	99		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	96		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	98		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	82		65-125		

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
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*- 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: 07/27/11 at 06:06 PM

Group Number: 1257926

<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: L112072AA Sample number(s): 6353668-6353679 UNSPK: 6353671									
Benzyl Chloride	92	93	62-120	1	30				
Bromobenzene	97	97	82-115	0	30				
Bromodichloromethane	98	95	78-125	3	30				
Bromoform	89	87	60-121	2	30				
Bromomethane	60	66	38-149	11	30				
Carbon Tetrachloride	100	100	81-138	0	30				
Chlorobenzene	102	101	87-124	1	30				
Chloroethane	79	75	51-145	4	30				
2-Chloroethyl Vinyl Ether	92	93	10-151	1	30				
Chloroform	103	100	81-134	3	30				
Chloromethane	91	87	67-154	5	30				
Dibromochloromethane	95	93	74-116	2	30				
Dibromomethane	95	94	83-119	1	30				
1,2-Dichlorobenzene	100	100	84-119	0	30				
1,3-Dichlorobenzene	99	100	86-121	1	30				
1,4-Dichlorobenzene	101	101	85-121	0	30				
Dichlorodifluoromethane	86	86	52-129	0	30				
1,1-Dichloroethane	103	101	84-129	2	30				
1,2-Dichloroethane	94	93	66-141	2	30				
1,1-Dichloroethene	102	101	85-142	1	30				
cis-1,2-Dichloroethene	101	99	85-125	2	30				
trans-1,2-Dichloroethene	103	101	87-126	2	30				
1,2-Dichloropropane	101	98	83-124	3	30				
cis-1,3-Dichloropropene	96	93	75-125	3	30				
trans-1,3-Dichloropropene	90	91	74-119	1	30				
Methylene Chloride	100	99	79-120	1	30				
1,1,1,2-Tetrachloroethane	97	96	82-119	2	30				
1,1,2,2-Tetrachloroethane	101	102	72-128	1	30				
Tetrachloroethene	99	97	80-128	2	30				
1,1,1-Trichloroethane	98	97	80-143	1	30				
1,1,2-Trichloroethane	97	97	77-124	0	30				
Trichloroethene	101	100	88-133	1	30				
Trichlorofluoromethane	104	97	73-152	7	30				
1,2,3-Trichloropropane	93	96	76-118	2	30				
Vinyl Chloride	98	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: L112072AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6353668	99	101	100	96
6353669	98	102	101	96
6353670	99	102	102	96
6353671	98	102	101	95
6353672	99	100	102	102
6353673	98	100	103	100
6353674	97	101	102	96
6353675	99	101	101	96
6353676	98	103	102	95

*- 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: 07/27/11 at 06:06 PM

Group Number: 1257926

Surrogate Quality Control

6353677	99	102	102	95
6353678	99	101	101	96
6353679	98	101	103	95
Blank	99	101	101	97
LCS	99	101	102	101
MS	99	100	102	102
MSD	98	100	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.

Project Name: BP Sanborn
LLI Group #: 1257926

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:

No additional comments are necessary.

BP/ARC Project Name: BP Sunborn

Req Due Date (mm/dd/yy): _____

Rush TAT: Yes _____ No _____

BP/ARC Facility No: _____

Lab Work Order Number: _____

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>Sunborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Lynn Frederiksen</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>40 LaRiviere Dr. Suite 300 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>D0084-0001</u>	Phone: <u>(716) 467-4990</u>
Lab Bottle Order No: <u>107230</u>	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</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>				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													

Sampler's Name: <u>Richard C Becker</u>	Relinquished By / Affiliation: <u>Suzette Lehman</u>	Date: <u>7/21/11</u>	Time: <u>7:40</u>	Accepted By / Affiliation: <u>Richard C Becker</u>	Date: <u>7/25/11</u>	Time: <u>1000</u>
Sampler's Company: <u>Am Ent.</u>	Shipment Method: <u>Fed Ex</u>	Ship Date: <u>7/21/11</u>	Shipment Tracking No: <u>80059192015</u>	Special Instructions: <u>quarterly samples</u>		

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes ☒ No ☐ Temp Blank: Yes ☐ No ☒ Cooler Temp on Receipt: 5.4 °F/C Trip Blank: Yes ☐ No ☒ MS/MSD Sample Submitted: Yes ☐ No ☒



192424

Page 2 of 2

BP Sanborn

Rush TAT: Yes No

Lab Work Order Number:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes ☒ No ☐

Temp Blank ☒ Yes/ No

Cooler Temp on Receipt: 5.4 °F/C

Trip Blank: ~~Yes~~ No

MS/MSD Sample Submitted: Yes / ~~No~~

Environmental Sample Administration Receipt Documentation Log

Client/Project: Atlantic Richfield

Shipping Container Sealed: YES NO

Date of Receipt: 7/22/11

Custody Seal Present * ^{SL 1677} YES NO

Time of Receipt: 1010

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

Source Code: 50-1

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	5.4	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:

Unpacker Signature/Emp#: Suzette Lehman 1677 Date/Time: 7/22/11 12:10

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.

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, 2011

Project: BP Sanborn

Submittal Date: 07/26/2011

Group Number: 1258276

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-5 Water	6355555
B-5 Matrix Spike Water	6355556
B-5 Matrix Spike Dup Water	6355557
B-16 Water	6355558
B-38 Water	6355559
B-28 Water	6355560
B-22 Water	6355561
B-21 Water	6355562
Field Dup #7 Water	6355563

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Lawrence M. Taylor
Senior Specialist



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-5 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6355555
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	N.D.	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	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	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	1.3 J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



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-5 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6355555
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 08:47	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 08:47	Linda C Pape	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-5 Matrix Spike Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6355556
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	22	1.0	5.0	1
10903	Bromobenzene	108-86-1	19	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	17	1.0	5.0	1
10903	Bromomethane	74-83-9	20	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	24	1.0	5.0	1
10903	Chlorobenzene	108-90-7	19	0.80	5.0	1
10903	Chloroethane	75-00-3	22	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	22	0.80	5.0	1
10903	Chloromethane	74-87-3	26	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	19	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	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	25	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	23	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	43	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	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	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	19	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	21	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	19	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	19	0.80	5.0	1
10903	Trichloroethene	79-01-6	160	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	25	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	22	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	25	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



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-5 Matrix Spike Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6355556
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 09:11	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 09:11	Linda C Pape	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-5 Matrix Spike Dup Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6355557
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	22	1.0	5.0	1
10903	Bromobenzene	108-86-1	20	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	22	1.0	5.0	1
10903	Bromoform	75-25-2	18	1.0	5.0	1
10903	Bromomethane	74-83-9	21	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	25	1.0	5.0	1
10903	Chlorobenzene	108-90-7	20	0.80	5.0	1
10903	Chloroethane	75-00-3	22	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	21	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	23	0.80	5.0	1
10903	Chloromethane	74-87-3	25	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	20	1.0	5.0	1
10903	Dibromomethane	74-95-3	21	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	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	26	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	22	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	43	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	22	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	22	1.0	5.0	1
10903	Methylene Chloride	75-09-2	21	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	20	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	20	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	170	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	26	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	22	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	26	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



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-5 Matrix Spike Dup Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-5

LLI Sample # WW 6355557
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 13:35 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 09:34	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 09:34	Linda C Pape	1

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



Analysis Report

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

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Sample Description: B-16 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-16

LLI Sample # WW 6355558
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 14:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

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	1.1 J	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	N.D.	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	N.D.	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	N.D.	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	N.D.	1.0	5.0	1
10903	Methylene Chloride	75-09-2	N.D.	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	1.0	5.0	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	1.0	5.0	1
10903	Tetrachloroethene	127-18-4	N.D.	0.80	5.0	1
10903	1,1,1-Trichloroethane	71-55-6	N.D.	0.80	5.0	1
10903	1,1,2-Trichloroethane	79-00-5	N.D.	0.80	5.0	1
10903	Trichloroethene	79-01-6	N.D.	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	N.D.	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



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-16 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-16

LLI Sample # WW 6355558
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 14:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 09:58	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 09:58	Linda C Pape	1

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



Analysis Report

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

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Sample Description: B-38 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-38

LLI Sample # WW 6355559
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS38

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS	Volatiles	SW-846 8260B	ug/l	ug/l	ug/l	
10903	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
10903	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	N.D.	1.0	5.0	1
10903	Bromoform	75-25-2	N.D.	1.0	5.0	1
10903	Bromomethane	74-83-9	N.D.	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	N.D.	1.0	5.0	1
10903	Chlorobenzene	108-90-7	N.D.	0.80	5.0	1
10903	Chloroethane	75-00-3	N.D.	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	N.D.	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
10903	Chloroform	67-66-3	N.D.	0.80	5.0	1
10903	Chloromethane	74-87-3	N.D.	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	N.D.	1.0	5.0	1
10903	Dibromomethane	74-95-3	N.D.	1.0	5.0	1
10903	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
10903	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	N.D.	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	1.1 J	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	N.D.	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	N.D.	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	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	28	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	2.0 J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



Analysis Report

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

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Sample Description: B-38 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-38

LLI Sample # WW 6355559
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 12:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
Houston TX 77079

CDS38

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	T112081AA	07/27/2011 10:21	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 10:21	Linda C Pape	1

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



Analysis Report

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

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Sample Description: B-28 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-28

LLI Sample # WW 6355560
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS28

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

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



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-28 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-28

LLI Sample # WW 6355560
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 09:45 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 10:45	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 10:45	Linda C Pape	1

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



Analysis Report

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

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Sample Description: B-22 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-22

LLI Sample # WW 6355561
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS22

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	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	93	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	2.3 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	26	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	N.D.	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	1.3 J	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



Analysis Report

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Sample Description: B-22 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-22

LLI Sample # WW 6355561
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 10:30 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 11:08	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 11:08	Linda C Pape	1

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



Analysis Report

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

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Sample Description: B-21 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-21

LLI Sample # WW 6355562
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDS21

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

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



Analysis Report

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Sample Description: B-21 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY B-21

LLI Sample # WW 6355562
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 11:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd
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	T112081AA	07/27/2011 11:31	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 11:31	Linda C Pape	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: Field Dup #7 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY Fld Dup #7

LLI Sample # WW 6355563
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDSD7

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

General Sample Comments

State of New York Certification No. 10670

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

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

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



Analysis Report

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Sample Description: Field Dup #7 Water
BP Sanborn COC: 192425
2040 Cory Drive - Sanborn, NY Fld Dup #7

LLI Sample # WW 6355563
LLI Group # 1258276
Account # 12495

Project Name: BP Sanborn

Collected: 07/25/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/26/2011 09:30

BP Corporation

Reported: 07/28/2011 13:36

501 WestLake Park Blvd

Houston TX 77079

CDSD7

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	T112081AA	07/27/2011 11:55	Linda C Pape	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	T112081AA	07/27/2011 11:55	Linda C Pape	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/11 at 01:36 PM

Group Number: 1258276

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: T112081AA	Sample number(s): 6355555-6355563								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	109		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	107		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	93		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	99		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	113		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	98		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	99		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	105		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	109		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	120		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	100		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	95		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	96		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
Dichlorodifluoromethane	N.D.	2.0	5.0	ug/l	110		47-120		
1,1-Dichloroethane	N.D.	1.0	5.0	ug/l	106		79-120		
1,2-Dichloroethane	N.D.	1.0	5.0	ug/l	117		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	98		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	101		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	103		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	105		80-120		
trans-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	107		79-120		
Methylene Chloride	N.D.	2.0	5.0	ug/l	104		80-120		
1,1,1,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	101		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	110		71-120		
Tetrachloroethene	N.D.	0.80	5.0	ug/l	93		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	100		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	99		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	107		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	110		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	110		65-125		

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: 07/28/11 at 01:36 PM

Group Number: 1258276

<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: T112081AA Sample number(s): 6355555-6355563 UNSPK: 6355555									
Benzyl Chloride	109	108	62-120	1	30				
Bromobenzene	96	98	82-115	2	30				
Bromodichloromethane	110	111	78-125	1	30				
Bromoform	86	90	60-121	5	30				
Bromomethane	102	104	38-149	2	30				
Carbon Tetrachloride	122	124	81-138	1	30				
Chlorobenzene	97	102	87-124	6	30				
Chloroethane	108	109	51-145	1	30				
2-Chloroethyl Vinyl Ether	104	105	10-151	1	30				
Chloroform	111	113	81-134	2	30				
Chloromethane	128	126	67-154	2	30				
Dibromochloromethane	95	98	74-116	3	30				
Dibromomethane	103	105	83-119	1	30				
1,2-Dichlorobenzene	97	97	84-119	0	30				
1,3-Dichlorobenzene	97	97	86-121	1	30				
1,4-Dichlorobenzene	93	97	85-121	4	30				
Dichlorodifluoromethane	123	129	52-129	5	30				
1,1-Dichloroethane	110	113	84-129	3	30				
1,2-Dichloroethane	117	119	66-141	2	30				
1,1-Dichloroethene	104	108	85-142	4	30				
cis-1,2-Dichloroethene	102	105	85-125	1	30				
trans-1,2-Dichloroethene	104	105	87-126	1	30				
1,2-Dichloropropane	107	108	83-124	1	30				
cis-1,3-Dichloropropene	105	108	75-125	2	30				
trans-1,3-Dichloropropene	105	110	74-119	4	30				
Methylene Chloride	106	106	79-120	1	30				
1,1,1,2-Tetrachloroethane	96	102	82-119	6	30				
1,1,2,2-Tetrachloroethane	107	108	72-128	2	30				
Tetrachloroethene	97	102	80-128	5	30				
1,1,1-Trichloroethane	115	118	80-143	3	30				
1,1,2-Trichloroethane	96	100	77-124	4	30				
Trichloroethene	62 (2)	118 (2)	88-133	7	30				
Trichlorofluoromethane	124	130	73-152	5	30				
1,2,3-Trichloropropane	108	110	76-118	2	30				
Vinyl Chloride	116	121	66-133	4	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: T112081AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6355555	107	105	100	101
6355556	107	105	100	104
6355557	106	107	102	104
6355558	107	104	98	100
6355559	109	104	101	102
6355560	110	106	98	101
6355561	111	104	98	100
6355562	111	106	98	99
6355563	109	105	98	101

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/28/11 at 01:36 PM

Group Number: 1258276

Surrogate Quality Control

Blank	107	105	99	102
LCS	107	104	102	105
MS	107	105	100	104
MSD	106	107	102	104
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification

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

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

Project Name: BP Sanborn
LLI Group #: 1258276

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

The temperature of the temperature blank bottle(s) upon receipt at the lab was 8.4C using a Hg thermometer. The sample bottles were then measured using an IR thermometer and were recorded at 9.0-11.3 C.

Analysis Specific Comments:**SW-846 8260B, GC/MS Volatiles**

Batch #: T112081AA (Sample number(s): 6355555-6355563 UNSPK: 6355555)

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



Laboratory Management Program LaMP Chain of Custody Record

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

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

Lab Name: <u>Lancaster Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>Pearsons</u>
Lab Address: <u>2425 New Holland Pike Lancaster, PA 17601</u>	City, State, ZIP Code: <u>Sunborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Lynn Fredericksen</u>	Lead Regulatory Agency: <u>WYDEC</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 Acont: _____	Enfos Proposal No: <u>DOOB4-0001</u>	Phone: <u>(716) 407-4990</u>
Lab Bottle Order No: _____	Accounting Mode: <u>10</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: _____
Other Info: _____	Stage: <u>60</u> Activity: <u>81</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>				Soil / Solid	Water / Liquid	Air / Vapor	Total Number of Containers	Unpreserved	H ₂ SO ₄	HNO ₃	HCl	Methanol	8260											Standard _____	Full Data Package _____
EBM Email:																									
Lab No.	Sample Description	Date	Time																					Comments	
	B-5	7/25/11	1335				3	X					X											use EQUIS format	
	B-16		1410				3	X					X												
	B-38		1215				3	X					X												
	B-28		0945				3	X					X												
	B-22		1030				3	X					X												
	B-21		1115				3	X					X												
	Field Dup # 7		—				3	X					X												
	B-5 MS		1335				3	X					X												
	B-5 MSD		1335				3	X					X												

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken</u>	Date: <u>7/25/11</u>	Time: <u>1700</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>Orin Ent.</u>						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/25/11</u>						
Shipment Tracking No: _____					<u>7/26/11</u>	<u>930</u>

Special Instructions: quarterly sampling

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

8.4"-11.3"

Environmental Sample Administration Receipt Documentation Log

Client/Project: C + M

Shipping Container Sealed: YES NO

Date of Receipt: 7/26/11

Custody Seal Present * : YES NO

Time of Receipt: 930

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

Source Code: Sc 1

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 1396	8.4°	TB ST	WI	Y	B	11.0 25° 40 6.0 25° 11.5
2							
3							
4							
5							
6							

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

Paperwork Discrepancy/Unpacking Problems:

proceed with analyses per G. Hermance. LF 7/26/11

Unpacker Signature/Emp#: 32 2308

Date/Time: 7/26/11 1330

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 29, 2011

Project: BP Sanborn

Submittal Date: 07/27/2011

Group Number: 1258547

PO Number: D00B4-0001

Release Number: BARBER

State of Sample Origin: NY

<u>Client Sample Description</u>	<u>Lancaster Labs (LLI) #</u>
B-62 Water	6357495
B-63 Water	6357496
B-64 Water	6357497
B-64 Matrix Spike Water	6357498
B-64 Matrix Spike Dup Water	6357499
Field Dup #8 Water	6357500
B-65 Water	6357501
B-66 Water	6357502
B-67 Water	6357503

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
Lynn M Frederiksen at (717) 656-2300 Ext. 1501

Respectfully Submitted,



Robin C. Runkle
Senior Specialist



Analysis Report

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Page 1 of 2

Sample Description: B-62 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-62

LLI Sample # WW 6357495
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 14:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Page 2 of 2

Sample Description: B-62 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-62

LLI Sample # WW 6357495
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 14:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd
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	W112083AA	07/28/2011 05:38	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 05:38	Stephanie A Selis	1

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



Analysis Report

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Page 1 of 2

Sample Description: B-63 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-63

LLI Sample # WW 6357496
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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

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-63 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-63

LLI Sample # WW 6357496
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 13:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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	W112083AA	07/28/2011 06:03	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 06:03	Stephanie A Selis	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-64 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6357497
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-64 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6357497
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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	W112083AA	07/28/2011 06:27	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 06:27	Stephanie A Selis	1

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



Analysis Report

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

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Sample Description: B-64 Matrix Spike Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6357498
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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	19	1.0	5.0	1
10903	Bromobenzene	108-86-1	22	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	23	1.0	5.0	1
10903	Bromoform	75-25-2	23	1.0	5.0	1
10903	Bromomethane	74-83-9	17	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	25	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	17	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	14	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	22	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	24	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	22	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	23	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	20	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	23	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	23	0.80	5.0	1
10903	1,2-Dichloropropane	78-87-5	21	1.0	5.0	1
10903	cis-1,3-Dichloropropene	10061-01-5	21	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	20	1.0	5.0	1
10903	Methylene Chloride	75-09-2	22	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	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	24	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	23	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	22	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	21	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-64 Matrix Spike Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6357498
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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	W112083AA	07/28/2011 06:51	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 06:51	Stephanie A Selis	1

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



Analysis Report

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

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Sample Description: B-64 Matrix Spike Dup Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6357499
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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	20	1.0	5.0	1
10903	Bromobenzene	108-86-1	22	1.0	5.0	1
10903	Bromodichloromethane	75-27-4	23	1.0	5.0	1
10903	Bromoform	75-25-2	24	1.0	5.0	1
10903	Bromomethane	74-83-9	17	1.0	5.0	1
10903	Carbon Tetrachloride	56-23-5	26	1.0	5.0	1
10903	Chlorobenzene	108-90-7	22	0.80	5.0	1
10903	Chloroethane	75-00-3	19	1.0	5.0	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	14	2.0	10	1
2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.						
10903	Chloroform	67-66-3	21	0.80	5.0	1
10903	Chloromethane	74-87-3	20	1.0	5.0	1
10903	Dibromochloromethane	124-48-1	24	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	22	1.0	5.0	1
10903	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
10903	Dichlorodifluoromethane	75-71-8	23	2.0	5.0	1
10903	1,1-Dichloroethane	75-34-3	22	1.0	5.0	1
10903	1,2-Dichloroethane	107-06-2	20	1.0	5.0	1
10903	1,1-Dichloroethene	75-35-4	24	0.80	5.0	1
10903	cis-1,2-Dichloroethene	156-59-2	22	0.80	5.0	1
10903	trans-1,2-Dichloroethene	156-60-5	24	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	22	1.0	5.0	1
10903	trans-1,3-Dichloropropene	10061-02-6	21	1.0	5.0	1
10903	Methylene Chloride	75-09-2	22	2.0	5.0	1
10903	1,1,1,2-Tetrachloroethane	630-20-6	23	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	24	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	23	1.0	5.0	1
10903	Trichlorofluoromethane	75-69-4	23	2.0	5.0	1
10903	1,2,3-Trichloropropane	96-18-4	20	1.0	5.0	1
10903	Vinyl Chloride	75-01-4	21	1.0	5.0	1

General Sample Comments

State of New York Certification No. 10670

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

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



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-64 Matrix Spike Dup Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-64

LLI Sample # WW 6357499
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:50 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd
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	W112083AA	07/28/2011 07:15	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 07:15	Stephanie A Selis	1

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



Analysis Report

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

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Sample Description: Field Dup #8 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY Fld Dup #8

LLI Sample # WW 6357500
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

Houston TX 77079

CDSD8

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: Field Dup #8 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY Fld Dup #8

LLI Sample # WW 6357500
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

Houston TX 77079

CDSD8

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	W112083AA	07/28/2011 07:39	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 07:39	Stephanie A Selis	1

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



Analysis Report

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

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Sample Description: B-65 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6357501
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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

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Sample Description: B-65 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-65

LLI Sample # WW 6357501
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 11:10 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd
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	W112083AA	07/28/2011 08:03	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 08:03	Stephanie A Selis	1

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



Analysis Report

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

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Sample Description: B-66 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-66

LLI Sample # WW 6357502
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

Houston TX 77079

CDS66

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

General Sample Comments

State of New York Certification No. 10670

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

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



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-66 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-66

LLI Sample # WW 6357502
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 10:15 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd
Houston TX 77079

CDS66

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	W112083AA	07/28/2011 08:27	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 08:27	Stephanie A Selis	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-67 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-67

LLI Sample # WW 6357503
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd

Houston TX 77079

CDS67

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

General Sample Comments

State of New York Certification No. 10670

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

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



Analysis Report

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Page 2 of 2

Sample Description: B-67 Water
BP Sanborn COC: 192426
2040 Cory Drive - Sanborn, NY B-67

LLI Sample # WW 6357503
LLI Group # 1258547
Account # 12495

Project Name: BP Sanborn

Collected: 07/26/2011 09:40 by RCB

Atlantic Richfield(Parsons-NY)

Submitted: 07/27/2011 09:50

BP Corporation

Reported: 07/29/2011 08:15

501 WestLake Park Blvd
Houston TX 77079

CDS67

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	W112083AA	07/28/2011 08:52	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	W112083AA	07/28/2011 08:52	Stephanie A Selis	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/29/11 at 08:15 AM

Group Number: 1258547

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: W112083AA Sample number(s): 6357495-6357503									
Benzyl Chloride	N.D.	1.0	5.0	ug/l	92		69-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	100		80-120		
Bromodichloromethane	N.D.	1.0	5.0	ug/l	106		80-120		
Bromoform	N.D.	1.0	5.0	ug/l	116		61-120		
Bromomethane	N.D.	1.0	5.0	ug/l	79		44-120		
Carbon Tetrachloride	N.D.	1.0	5.0	ug/l	105		75-123		
Chlorobenzene	N.D.	0.80	5.0	ug/l	99		80-120		
Chloroethane	N.D.	1.0	5.0	ug/l	90		49-129		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	69		56-129		
Chloroform	N.D.	0.80	5.0	ug/l	98		77-122		
Chloromethane	N.D.	1.0	5.0	ug/l	84		60-129		
Dibromochloromethane	N.D.	1.0	5.0	ug/l	114		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	96		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	76		47-120		
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	93		70-130		
1,1-Dichloroethene	N.D.	0.80	5.0	ug/l	98		74-123		
cis-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	100		80-120		
trans-1,2-Dichloroethene	N.D.	0.80	5.0	ug/l	102		80-120		
1,2-Dichloropropane	N.D.	1.0	5.0	ug/l	93		78-120		
cis-1,3-Dichloropropene	N.D.	1.0	5.0	ug/l	99		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	106		80-120		
1,1,2,2-Tetrachloroethane	N.D.	1.0	5.0	ug/l	91		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	99		75-127		
1,1,2-Trichloroethane	N.D.	0.80	5.0	ug/l	98		80-120		
Trichloroethene	N.D.	1.0	5.0	ug/l	99		80-120		
Trichlorofluoromethane	N.D.	2.0	5.0	ug/l	87		64-129		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	96		80-120		
Vinyl Chloride	N.D.	1.0	5.0	ug/l	87		65-125		

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: 07/29/11 at 08:15 AM

Group Number: 1258547

<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: W112083AA Sample number(s): 6357495-6357503 UNSPK: 6357497									
Benzyl Chloride	96	99	62-120	3	30				
Bromobenzene	111	112	82-115	1	30				
Bromodichloromethane	115	115	78-125	0	30				
Bromoform	117	119	60-121	2	30				
Bromomethane	84	83	38-149	1	30				
Carbon Tetrachloride	127	129	81-138	2	30				
Chlorobenzene	108	108	87-124	0	30				
Chloroethane	87	95	51-145	9	30				
2-Chloroethyl Vinyl Ether	71	72	10-151	1	30				
Chloroform	108	107	81-134	1	30				
Chloromethane	109	101	67-154	8	30				
Dibromochloromethane	121*	121*	74-116	0	30				
Dibromomethane	105	104	83-119	1	30				
1,2-Dichlorobenzene	102	103	84-119	1	30				
1,3-Dichlorobenzene	108	109	86-121	1	30				
1,4-Dichlorobenzene	104	107	85-121	2	30				
Dichlorodifluoromethane	115	113	52-129	2	30				
1,1-Dichloroethane	108	108	84-129	0	30				
1,2-Dichloroethane	102	101	66-141	1	30				
1,1-Dichloroethene	121	121	85-142	0	30				
cis-1,2-Dichloroethene	114	112	85-125	2	30				
trans-1,2-Dichloroethene	116	118	87-126	2	30				
1,2-Dichloropropane	103	102	83-124	1	30				
cis-1,3-Dichloropropene	107	110	75-125	3	30				
trans-1,3-Dichloropropene	99	103	74-119	4	30				
Methylene Chloride	112	108	79-120	4	30				
1,1,1,2-Tetrachloroethane	114	114	82-119	0	30				
1,1,2,2-Tetrachloroethane	91	93	72-128	2	30				
Tetrachloroethene	121	120	80-128	1	30				
1,1,1-Trichloroethane	115	116	80-143	1	30				
1,1,2-Trichloroethane	103	101	77-124	1	30				
Trichloroethene	113	113	88-133	0	30				
Trichlorofluoromethane	112	114	73-152	2	30				
1,2,3-Trichloropropane	98	100	76-118	2	30				
Vinyl Chloride	105	106	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: W112083AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6357495	104	103	99	89
6357496	100	104	98	89
6357497	102	105	99	89
6357498	104	104	98	94
6357499	104	107	99	93
6357500	100	103	98	89
6357501	104	100	98	89
6357502	103	104	99	90
6357503	102	104	98	88

*- Outside of specification

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

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY)
Reported: 07/29/11 at 08:15 AM

Group Number: 1258547

Surrogate Quality Control

Blank	103	103	99	90
LCS	105	107	98	94
MS	104	104	98	94
MSD	104	107	99	93
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 #: 1258547

General Comments:

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

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

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

Project specific QC samples are included in this data set

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

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

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

Analysis Specific Comments:**SW-846 8260B, GC/MS Volatiles**

Batch #: W112083AA (Sample number(s): 6357495-6357503 UNSPK: 6357497)

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

BP/ARC Project Name: BP, Seaborn

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

BP/ARC Facility No: _____

Lab Work Order Number: _____

Lab Name: <u>Concater Labs</u>	BP/ARC Facility Address: <u>2040 Cory Dr.</u>	Consultant/Contractor: <u>PORESCA</u>
Lab Address: <u>2475 New Holland Pike Lancaster PA 17601</u>	City, State, ZIP Code: <u>Seaborn, NY 14132</u>	Consultant/Contractor Project No: _____
Lab PM: <u>Lynn Frederikson</u>	Lead Regulatory Agency: <u>NYSDEC</u>	Address: <u>436 River Dr. Suite 350, Buffalo, NY 14202</u>
Lab Phone: <u>(717) 656-2300</u>	California Global ID No.: _____	Consultant/Contractor PM: <u>George Hernandez</u>
Lab Shipping Acct: _____	Enfos Proposal No: <u>DO084-0001</u>	Phone: <u>(716) 407-4970</u>
Lab Bottle Order No: _____	Accounting Mode: <u>16</u> Provision _____ OOC-BU _____ OOC-RM _____	Email EDD To: <u>Lorraine Weber</u>
Other Info: _____	Stage: <u>60</u> Activity: <u>81</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) 271-8058</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-62	7/24/11	1440				3	X																		Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.	
	B-63		1350				3																			USE EQUIS format	
	B-64		1150				3																				
	Field Dep #8						3																				
	B-65		1110				3																				
	B-66		1015				3																				
	B-67		0940				3																				
	B-64 MS		1150				3																				
	B-64 MSD		1150				3	X																			

Sampler's Name: <u>Richard C Becken</u>	Relinquished By / Affiliation: <u>Richard C Becken Am</u>	Date: <u>7/24/11</u>	Time: <u>1750</u>	Accepted By / Affiliation: _____	Date: _____	Time: _____
Sampler's Company: <u>Am Enterprises Inc</u>						
Shipment Method: <u>Fed Ex</u> Ship Date: <u>7/26/11</u>						
Shipment Tracking No: <u>870059340762</u>						
Special Instructions: <u>quarterly samples</u>						

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No

Temp Blank: Yes / No

Cooler Temp on Receipt: _____ °F/C

Trip Blank: Yes / No

MS/MSD Sample Submitted: Yes / No

Environmental Sample Administration Receipt Documentation Log

Client/Project: 04M
Date of Receipt: 7/27/11
Time of Receipt: 950
Source Code: SC-1
Shipping Container Sealed: ☒ YES ☐ NO

Custody Seal Present * : ☒ YES ☐ NO

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

Package: ☒ Chilled ☐ Not Chilled

Temperature of Shipping Containers							
Cooler #	Thermometer ID	Temperature (°C)	Temp Bottle (TB) or Surface Temp (ST)	Wet Ice (WI) or Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose (L) Bagged Ice (B) or NA	Comments
1	1120051	3.0	TB	WI	Y	B	
2							
3							
4							
5							
6							

Number of Trip Blanks received NOT listed on chain of custody: 4
Paperwork Discrepancy/Unpacking Problems:

Unpacker Signature/Emp#: 32-238 **Date/Time:** 7/27/11 1459

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.

APPENDIX C

WATER QUALITY DATABASE JANUARY 2001 THROUGH SEPTEMBER 2011

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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663812	8021	ND	ND	0.34 J	ND	ND	1.6	50	ND	4.1	ND	2	58.04
07/12/2002	A2713901	8021	ND	ND	2.4	ND	2.2 J	13	360	ND	36	1.8	18	433.4
07/08/2003	A3649103	8021	ND	ND	ND	ND	7.4	8.5	490	ND	14	ND	5	524.9
07/06/2004	A4636508	8021	ND	ND	2.6	4.4	ND	7.3	190	ND	29	ND	18	251.3
07/14/2005	A5740501	8260/5ML	ND	ND	ND	ND	ND	3.8	75	ND	6.7	ND	7.7	93.2
07/14/2006	6G14010-08	8260	ND	ND	ND	ND	ND	2	41	ND	3	ND	4	50
07/09/2007	7G10002-01	8260	ND	ND	ND	ND	ND	ND	33	ND	2	ND	11	46
07/23/2008	5423254	8260	ND	ND	1.1 J	1 J	ND	4.3 J	190	ND	19	ND	14	229.4
07/08/2009	5719621	8260	ND	ND	1.4 J	1.4 J	ND	4.5 J	240	ND	16	ND	56	319.3
07/12/2010	6030552	8260	ND	ND	ND	1 J	ND	4.5 J	170	ND	18	ND	24	217.5
07/12/2011	6342650	8260	ND	ND	2.6 J	1.4 J	ND	4.1 J	200	1.1 J	54	ND	25	288.2

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663816	8021	ND	ND	ND	ND	0.58 J	1.6	61	ND	5.5	ND	1.5 J	70.18
07/12/2002	A2713906	8021	ND	ND	ND	ND	ND	1.5	47	ND	5	ND	5.6	59.1
07/08/2003	A3649109	8021	ND	ND	ND	ND	ND	2.3	67	ND	7.8	ND	6.4	83.5
07/06/2004	A4636506	8021	ND	ND	ND	ND	ND	1.9	38	ND	8.2	ND	10	58.1
07/14/2005	A5740502	8260/5ML	ND	ND	ND	ND	ND	1.8	36	ND	5.4	ND	12	55.2
07/14/2006	6G14010-07	8260	ND	ND	ND	ND	ND	2	28	ND	5	ND	20	55
07/09/2007	7G10002-02	8260	ND	ND	ND	ND	ND	1	24	ND	4	ND	22	51
07/23/2008	5423255	8260	ND	ND	ND	ND	ND	1.8 J	41	ND	5.1	ND	12	59.9
07/09/2009	5720682	8260	ND	ND	ND	ND	ND	ND	20	ND	1.8 J	ND	5.1	26.9
07/12/2010	6030548	8260	ND	ND	ND	ND	ND	1.1 J	35	ND	250	ND	1.8 J	287.9
04/12/2011	6256727	8260	ND	ND	1.6 J	0.95 J	ND	5.6	120	ND	29	ND	9.7	166.85
07/13/2011	6343981	8260	ND	ND	ND	ND	ND	2.2 J	59	ND	7.1	ND	11	79.3

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/13/2001	A1663817	8021	ND	ND	ND	ND	ND	0.47 J	18	ND	20	ND	ND	38.47
07/15/2002	A2723102	8021	ND	ND	ND	ND	ND	ND	3.8	ND	9.5	ND	ND	13.3
07/10/2003	A3654101	8021	ND	ND	ND	ND	ND	ND	4.5	ND	13	ND	ND	17.5
07/07/2004	A4636503	8021	ND	ND	ND	ND	ND	1.1	16	ND	72	ND	ND	89.1
07/12/2005	A5733201	8260/5ML	ND	ND	ND	ND	ND	ND	3.8	ND	12	ND	ND	15.8
07/18/2006	6G19003-09RE1	8260	ND	ND	ND	ND	6 B	ND	9	ND	36	ND	ND	51
07/09/2007	7G10002-03	8260	ND	ND	ND	ND	ND	ND	2	ND	6	ND	ND	8
07/23/2008	5423256	8260	ND	ND	ND	ND	ND	1.5 J	54	ND	290	ND	3 J	348.5
07/13/2009	5722293	8260	ND	ND	ND	ND	ND	1 J	20	ND	82	ND	ND	103
07/12/2010	6030549	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	3.9 J	ND	17	55.2
07/25/2011	6355555	8260	ND	ND	ND	ND	ND	1.1 J	22	ND	150	ND	1.3 J	174.4

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043907	8021	ND	ND	ND	ND	ND	ND	2.7	ND	16	ND	ND	18.7
04/16/2001	A1345808	624	ND	ND	ND	ND	ND	ND	1.8	ND	18	ND	ND	19.8
07/13/2001	A1663814	8021	ND	ND	ND	ND	ND	ND	1.1	ND	12	ND	ND	13.1
10/10/2001	A1994701	8021	ND	ND	ND	ND	ND	ND	1.7	ND	19	ND	ND	20.7
01/23/2002	A2076801	8021	ND	ND	ND	ND	ND	0.66 J	27	ND	51	ND	ND	78.66
04/12/2002	A2351803	8021	ND	ND	ND	ND	ND	ND	9.8	ND	100	ND	ND	109.8
07/12/2002	A2713909	8021	ND	ND	ND	ND	ND	ND	11	ND	69	ND	ND	80
10/08/2002	A2999301	8021	ND	ND	ND	ND	ND	ND	9.1	ND	52	ND	ND	61.1
01/21/2003	A3069002	8021	ND	ND	ND	ND	ND	ND	6.3	ND	47	ND	ND	53.3
04/09/2003	A3329501	8021	ND	ND	ND	ND	24	ND	8.1	ND	48	ND	ND	80.1
07/08/2003	A3649108	8021	ND	ND	ND	ND	ND	ND	9.4	ND	60	ND	ND	69.4
10/13/2003	A3991405	8021	ND	ND	ND	ND	ND	ND	34	ND	130	ND	ND	164
01/28/2004	A4077401	8021	ND	ND	ND	ND	2.9	ND	37	ND	260	ND	ND	299.9
04/20/2004	A4356802	8021	ND	ND	ND	ND	ND	ND	22	ND	240	ND	ND	262
07/07/2004	A4636502	8021	ND	ND	ND	ND	ND	ND	16	ND	130	ND	ND	146
10/21/2004	A4A48001	8021	ND	ND	ND	ND	ND	ND	18	ND	100 E	ND	ND	118
01/17/2005	A5044302	8260	ND	ND	ND	ND	ND	ND	10	ND	110	ND	ND	120
04/05/2005	A5317802	8260	ND	ND	ND	ND	0.93 J	ND	6.7	ND	91 E	0.55 J	ND	99.18
04/05/2005	A5317802DL	8260	ND	ND	ND	ND	ND	ND	6.3 D	ND	95 D	ND	ND	101.3
07/12/2005	A5733202	8260/5ML	ND	ND	ND	ND	ND	ND	6.2	ND	58	ND	ND	64.2
10/05/2005	A5B10602	8260	ND	ND	ND	ND	ND	0.64 J	22	ND	97	ND	1.1 J	120.74
01/24/2006	A6089111	8260	ND	ND	ND	ND	ND	ND	7.3	ND	61	ND	ND	68.3
04/12/2006	6D13005-03	8260	ND	ND	ND	ND	ND	ND	10	ND	99	ND	ND	109
07/18/2006	6G19003-14	8260	ND	ND	ND	ND	5 B	ND	18	ND	109	ND	ND	132
10/10/2006	6J11002-06	8260	ND	ND	ND	ND	ND	2	73	ND	414 D	ND	4	493
01/09/2007	7A10006-03	8260	ND	ND	ND	ND	3 B	ND	21	ND	205 D	ND	ND	229
04/04/2007	7D05011-01	8260	ND	ND	ND	ND	ND	ND	13	ND	150	ND	ND	163
07/11/2007	7G12003-07	8260	ND	ND	ND	ND	ND	ND	13	ND	137	ND	ND	150
10/10/2007	7J11002-02	8260	ND	ND	ND	ND	ND	1	45	ND	258 D	ND	3	307
01/08/2008	8A09005-06	8260	ND	ND	ND	ND	4	3	99	ND	500 D	ND	ND	606
04/07/2008	8D08002-06	8260	ND	ND	ND	ND	18 B	ND	33	ND	346	ND	ND	397
07/22/2008	5422164	8260	ND	ND	ND	ND	ND	1 J	26	ND	230	ND	ND	257
10/17/2008	5502671	8260	ND	ND	ND	ND	ND	ND	10	ND	95	ND	ND	105
01/15/2009	5578622	8260	ND	ND	ND	ND	ND	0.92 J	26	ND	210	ND	ND	236.92
04/16/2009	5649163	8260	ND	ND	ND	ND	ND	0.9 J	27	ND	270	ND	ND	297.9
07/09/2009	5720687	8260	ND	ND	ND	ND	ND	0.86 J	23	ND	230	ND	ND	253.86
10/06/2009	5799016	8260	ND	ND	ND	ND	ND	0.89 J	21	ND	190	ND	ND	211.89

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888924	8260	ND	ND	ND	ND	ND	0.93 J	36	ND	250	ND	ND	286.93
04/06/2010	5946900	8260	ND	ND	ND	ND	ND	ND	23	ND	280	ND	ND	303
07/20/2010	6038216	8260	ND	ND	ND	ND	ND	ND	16	ND	170	ND	ND	186
10/18/2010	6115536	8260	ND	ND	ND	ND	ND	ND	12	ND	130	ND	ND	142
01/24/2011	6190820	8260	ND	ND	ND	ND	ND	ND	20	ND	160	ND	ND	180
04/12/2011	6256726	8260	ND	ND	ND	ND	ND	ND	16	ND	190	ND	ND	206
07/21/2011	6353674	8260	ND	ND	ND	ND	ND	ND	16	ND	190	ND	ND	206

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035103	8021	ND	ND	ND	ND	ND	ND	1.8	ND	2.2	ND	ND	4
04/20/2001	A1366402	624	ND	ND	ND	ND	ND	ND	2.9	ND	3.2	ND	ND	6.1
07/12/2001	A1663801	8021	ND	ND	ND	ND	ND	ND	0.5 J	ND	1.8	ND	ND	2.3
10/10/2001	A1994702	8021	ND	ND	ND	ND	ND	ND	0.59 J	ND	1.9	ND	ND	2.49
01/21/2002	A2066003	8021	ND	ND	ND	ND	ND	ND	1.1	ND	4.6	ND	ND	5.7
04/11/2002	A2348301	8021	ND	ND	ND	ND	ND	ND	1.5	ND	11	ND	ND	12.5
07/11/2002	A2708314	8021	ND	ND	ND	ND	ND	ND	2.3	ND	7.7	ND	ND	10
10/08/2002	A2999307	8021	ND	ND	ND	ND	ND	ND	1.8	ND	7.2	ND	ND	9
01/16/2003	A3055803	8021	ND	3.1	ND	ND	ND	ND	0.92 J	ND	4	ND	ND	8.02
04/08/2003	A3329504	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.6	ND	ND	10.9
07/08/2003	A3649101	8021	ND	ND	ND	ND	ND	ND	0.85 J	ND	5.4	ND	ND	6.25
10/10/2003	A3983901	8021	ND	ND	ND	ND	ND	ND	28	ND	63	ND	ND	91
01/09/2004	A4026201	8021	ND	ND	ND	ND	ND	ND	6.7	ND	25	ND	ND	31.7
04/14/2004	A4331802	8021	ND	ND	ND	ND	ND	ND	4.4	ND	21	ND	ND	25.4
06/30/2004	A4619301	8021	ND	ND	ND	ND	ND	ND	3.7	ND	18	ND	ND	21.7
10/26/2004	A4A60202	8021	ND	ND	ND	ND	ND	ND	3.9	ND	12	ND	ND	15.9
01/18/2005	A5051004	8260	ND	ND	ND	ND	ND	ND	1.3	ND	8.6	ND	ND	9.9
04/04/2005	A5307701	8260	ND	ND	ND	ND	ND	ND	1.6	ND	12 B	ND	ND	13.6
07/12/2005	A5725601	8260/5ML	ND	ND	ND	ND	ND	ND	1.8	ND	8.2	ND	ND	10
07/17/2006	6G18004-02	8260	ND	ND	ND	ND	ND	ND	2	ND	8	ND	ND	10
07/10/2007	7G11015-01	8260	ND	ND	ND	ND	ND	ND	1	ND	7	ND	ND	8
07/23/2008	5423259	8260	ND	ND	ND	ND	ND	ND	2.2 J	ND	7.7	ND	ND	9.9
07/08/2009	5719613	8260	ND	ND	ND	ND	ND	ND	1.5 J	ND	4.9 J	ND	ND	6.4
07/12/2010	6030554	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	4.9 J	ND	ND	6.3
07/18/2011	6348760	8260	ND	ND	ND	ND	ND	ND	1.5 J	ND	4.6 J	ND	ND	6.1

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035104	8021	ND	ND	ND	ND	620	ND	1400	ND	7400	ND	ND	9420
04/24/2001	A1375204	8021	ND	ND	ND	ND	ND	ND	2400	ND	24000	ND	ND	26400
07/11/2001	A1648705	8021	ND	ND	ND	ND	500	ND	700	ND	11000	ND	ND	12200
10/17/2001	A1A23313	8021	ND	ND	ND	ND	980	ND	8500	ND	64000	ND	ND	73480
01/25/2002	A2081501	8021	ND	ND	ND	ND	170	ND	2400	ND	35000 D	ND	ND	37570
04/22/2002	A2391102	8021	ND	ND	ND	ND	540	ND	ND	ND	22000	ND	ND	22540
07/17/2002	A2732602	8021	ND	ND	ND	ND	1500	ND	4700	ND	73000	ND	ND	79200
10/15/2002	A2A23602	8021	ND	ND	ND	ND	ND	ND	7100	ND	41000	ND	ND	48100
01/24/2003	A3075209	8021	ND	ND	ND	ND	ND	ND	1900	ND	10000	ND	ND	11900
04/24/2003	A3389604	8021	ND	ND	ND	ND	530	ND	2100	ND	23000	ND	ND	25630
07/22/2003	A3699407	8021	ND	ND	ND	ND	ND	ND	9500	ND	170000	ND	ND	179500
10/22/2003	A3A28301	8021	ND	ND	ND	ND	ND	ND	5300	ND	85000	ND	ND	90300
01/22/2004	A4057101	8021	ND	ND	ND	ND	ND	330	330	ND	12000	ND	ND	12660
04/30/2004	A4402504	8021	ND	ND	ND	ND	ND	ND	ND	ND	24000	ND	ND	24000
07/19/2004	A4682701	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
07/19/2004	A4682701	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
10/15/2004	A4A20302	8021	ND	ND	ND	3.6	ND	6.5	980 D	ND	15000 D	4	17	16011.1
01/12/2005	A5036104	8260	ND	ND	ND	ND	ND	ND	920	ND	65000 E	ND	ND	65920
01/12/2005	A5036104DL	8260							860 D		51000 D			51860
04/19/2005	A5387403	8260	ND	ND	ND	ND	ND	ND	430	ND	18000	ND	ND	18430
07/15/2005	A5747101	8260/5ML	ND	ND	ND	ND	200	ND	3300	ND	34000 E	ND	320	37820
07/15/2005	A5747101DL	8260/5ML	ND	ND	ND	ND	870 D	ND	2700 D	ND	29000 D	ND	250 D	32820
10/24/2005	A5B97301	8260	ND	ND	0.93 J	12	ND	13	1400 E	0.61 J	12000 E	5.4	42	13473.94
10/24/2005	A5B97301DL	8260	ND	ND	ND	ND	ND	ND	880 D	ND	56000 BD	ND	ND	56880
01/26/2006	A6102405	8260	ND	ND	ND	ND	ND	ND	1000	ND	36000	ND	ND	37000
04/19/2006	6D20002-03RE1	8260	ND	ND	ND	ND	ND	ND	1020	ND	23200 D	ND	78	24298
07/14/2006	6G14010-01	8260	ND	ND	ND	20	115	32	3450	ND	58900 D	ND	198	62715
10/09/2006	6J10002-08	8260	ND	ND	ND	ND	74	ND	975	ND	29100 D	ND	ND	30149
01/09/2007	7A10006-06	8260	ND	ND	ND	ND	235	ND	2580	ND	48700 D	ND	50	51565
04/12/2007	7D13007-04	8260	ND	ND	ND	ND	1160	ND	692	ND	17800	ND	ND	19652
07/16/2007	7G17015-05	8260	ND	ND	ND	ND	1260	ND	4130	ND	71500	ND	ND	76890
10/09/2007	7J10006-05	8260	ND	ND	ND	ND	ND	ND	6730	ND	120000 D	ND	ND	126730
01/07/2008	8A08003-02RE1	8260	ND	ND	ND	ND	500	ND	1280	ND	30500	ND	ND	32280
04/09/2008	8D10002-03	8260	ND	ND	ND	ND	732	ND	4110	ND	101000 D	ND	ND	105842
07/24/2008	5424623	8260	ND	ND	ND	ND	ND	ND	1400	ND	37000	ND	28 J	38428
10/16/2008	5501565	8260	ND	ND	ND	ND	ND	ND	4600	ND	32000	ND	200 J	36800
01/15/2009	5578621	8260	ND	ND	ND	ND	ND	ND	3100	ND	63000	ND	87 J	66187

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 8M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2009	5647717	8260	ND	ND	ND	ND	ND	ND	3100	ND	61000	ND	120 J	64220
07/07/2009	5718472	8260	ND	ND	ND	ND	ND	ND	1200	ND	25000	ND	30 J	26230
10/07/2009	5800390	8260	ND	ND	ND	12 J	ND	13 J	1900	ND	32000	ND	79	34004
01/20/2010	5888925	8260	ND	ND	ND	ND	ND	ND	4600	ND	80000	ND	210 J	84810
04/14/2010	5954138	8260	ND	ND	ND	ND	ND	ND	2700	ND	84000	ND	ND	86700
07/15/2010	6033918	8260	ND	ND	ND	ND	ND	ND	5600	ND	94000	ND	410 J	100010
10/14/2010	6113377	8260	ND	ND	ND	13 J	ND	17 J	3000	ND	60000	6.6 J	54	63090.6
01/24/2011	6190819	8260	ND	ND	ND	ND	ND	ND	4600	ND	70000	ND	160 J	74760
04/14/2011	6259039	8260	ND	ND	ND	ND	ND	ND	1400	ND	45000	ND	ND	46400
07/18/2011	6348766	8260	ND	ND	ND	ND	ND	ND	5400	ND	83000	ND	400 J	88800

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 9M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732703	8021	ND	ND	ND	ND	ND	ND	7.4	ND	23	1.7	ND	32.1
07/02/2003	A3639709	8021	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	ND	ND	4.2
06/29/2004	A4614511	8021	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
07/07/2005	A5706807	8260	ND	ND	ND	ND	ND	ND	2.7	ND	5.4	1.4	ND	9.5
10/24/2005	A5B97302	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.3 B	ND	ND	1.3
01/24/2006	A6089109	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.67 J	ND	ND	0.67
04/12/2006	6D13005-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-05	8260	ND	ND	ND	ND	3	ND	2	ND	3	ND	ND	8
10/09/2006	6J10002-07	8260	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
01/05/2007	7A05012-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2007	7G11015-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
10/09/2007	7J10006-10	8260	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
01/07/2008	8A08003-03	8260	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
04/07/2008	8D08002-07	8260	ND	ND	ND	ND	2 B	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417444	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2009	5582424	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2009	5649164	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2009	5718463	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799006	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2010	5888926	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2010	6030559	8260	ND	ND	ND	ND	ND	ND	0.85 J	ND	1.7 J	ND	ND	2.55
01/24/2011	6190818	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2011	6256716	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342647	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648708	8021	ND	ND	0.72 J	ND	1.1 J	0.64 J	21	4.3	43	ND	ND	70.76
07/16/2002	A2722907	8021	ND	ND	ND	ND	2.6	ND	14	4.3	56	ND	ND	76.9
04/25/2003	A3389601	8021	ND	ND	ND	ND	1.5 J	ND	10	3.6	52	ND	ND	67.1
07/18/2003	A3689004	8021	ND	ND	ND	ND	ND	ND	7.4	2.6	40	ND	ND	50
10/22/2003	A3A21906	8021	ND	ND	ND	ND	ND	ND	19	5.1	92	ND	ND	116.1
04/29/2004	A4402501	8021	ND	ND	ND	ND	ND	ND	10	3.8	59	ND	ND	72.8
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
07/16/2004	A4674302	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	8260	ND	ND	ND	ND	ND	ND	5	3	30	ND	ND	38
07/18/2006	6G19003-01	8260	ND	ND	ND	ND	4 B	ND	13	6	42	ND	ND	65
10/11/2006	6J12003-07RE1	8260	ND	ND	ND	ND	ND	ND	9	5	53	ND	ND	67
04/18/2007	7D19009-02	8260	ND	ND	ND	ND	ND	ND	4	3	27	ND	ND	34
07/10/2007	7G11015-04	8260	ND	ND	ND	ND	ND	ND	6	4	36	ND	ND	46
10/09/2007	7J10006-11	8260	ND	ND	ND	ND	ND	1	15	5	51	ND	ND	72
04/09/2008	8D10002-01	8260	ND	ND	ND	ND	3	ND	7	3	58	ND	ND	71
07/24/2008	5424625	8260	ND	ND	ND	ND	ND	0.81 J	8.4	4.2 J	43	ND	ND	56.41
10/20/2008	5504259	8260	ND	ND	ND	ND	ND	0.98 J	12	5.1	61	ND	ND	79.08
04/20/2009	5651166	8260	ND	ND	ND	ND	ND	ND	5	3 J	35	ND	ND	43
07/07/2009	5718465	8260	ND	ND	ND	ND	ND	ND	5.5	2.9 J	35	ND	ND	43.4
10/06/2009	5799010	8260	ND	ND	ND	ND	ND	ND	6.5	3.6 J	46	ND	ND	56.1
04/14/2010	5954139	8260	ND	ND	ND	ND	ND	ND	3.9 J	2.4 J	31	ND	ND	37.3
07/12/2010	6030558	8260	ND	ND	ND	ND	ND	ND	5.1	2.8 J	30	ND	ND	37.9
10/18/2010	6115530	8260	ND	ND	ND	ND	ND	1.3 J	16	4.8 J	66	ND	ND	88.1
04/21/2011	6266005	8260	ND	ND	ND	ND	ND	ND	3.3 J	1.6 J	27	ND	ND	31.9
07/20/2011	6352277	8260	ND	ND	ND	ND	ND	ND	4.1 J	2.5 J	32	ND	ND	38.6

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/10/2001	A1648706	8021	ND	ND	ND	ND	12	ND	21	ND	270	ND	ND	303
07/16/2002	A2722909	8021	ND	ND	ND	ND	ND	ND	230	ND	1500	ND	ND	1730
07/10/2003	A3654302	8021	ND	ND	ND	ND	ND	ND	160	ND	990	ND	ND	1150
07/07/2004	A4636802	8021	ND	ND	ND	ND	ND	ND	200	ND	1600	35	ND	1835
07/14/2005	A5740602	8260/5ML	ND	ND	ND	1.4	ND	2.7	340 E	ND	710 E	87	1.3 J	1142.4
07/14/2005	A5740602DL	8260/5ML	ND	ND	ND	ND	ND	ND	310 D	ND	2000 D	57 D	ND	2367
07/14/2006	6G14010-04	8260	ND	ND	ND	ND	ND	ND	189	ND	1090	30	ND	1309
07/16/2007	7G17015-08	8260	ND	ND	ND	ND	ND	ND	155	ND	1150	67	ND	1372
07/24/2008	5424624	8260	ND	ND	ND	ND	ND	0.87 J	170	ND	700	21	ND	891.87
07/07/2009	5718478	8260	ND	ND	ND	ND	ND	1.8 J	76	ND	470	21	ND	568.8
07/12/2010	6030557	8260	ND	ND	ND	ND	ND	1.5 J	83	ND	500	26	ND	610.5
07/18/2011	6348762	8260	ND	ND	ND	ND	ND	2.1 J	60	ND	370	20	ND	452.1

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732704	8021	ND	ND	1	ND	ND	ND	30	1.4	74	ND	ND	106.4
07/02/2003	A3639710	8021	ND	ND	8.3	1.8	ND	3.8	87 D	26	82	ND	ND	208.9
06/29/2004	A4614512	8021	ND	ND	4	ND	ND	2.7	71	8.3	240	ND	ND	326
07/08/2005	A5715203	8260/5ML	ND	ND	0.56 J	ND	ND	ND	7.3	1.1	30	ND	ND	38.96
07/18/2006	6G19003-15	8260	ND	ND	9	3	5 B	4	164	8	581 D	ND	6	780
07/09/2007	7G10002-04RE1	8260	ND	ND	1	ND	ND	ND	20	2	77	ND	ND	100
07/16/2008	5417452	8260	ND	ND	69	13	ND	7.8 J	560	110	1600	ND	17	2376.8
07/13/2009	5722292	8260	ND	ND	37	4.3 J	ND	7.1 J	290	78	660	ND	ND	1076.4
07/12/2010	6030550	8260	ND	ND	34	8.5 J	ND	6.4 J	370	64	1700	ND	2.1 J	2185
07/13/2011	6343978	8260	ND	ND	8.9 J	2.7 J	ND	3.2 J	120	14	650	ND	ND	798.8

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/19/2001	A1361310	624	ND	ND	ND	ND	ND	2.6	67	ND	12	ND	ND	81.6
07/12/2001	A1663807	8021	ND	7.6	ND	ND	5.5	14	720	ND	120	ND	ND	867.1
07/16/2002	A2722911	8021	ND	ND	ND	ND	14	18	1000	ND	140	ND	ND	1172
04/22/2003	A3376301	8021	ND	ND	ND	ND	22	14	1400	ND	1400	ND	82	2918
07/18/2003	A3689003	8021	ND	ND	10	ND	ND	12	1300	ND	470	ND	48	1840
10/22/2003	A3A21905	8021	ND	ND	12	ND	ND	10	1600	ND	310	ND	71	2003
04/27/2004	A4387501	8021	ND	ND	ND	ND	ND	16	1100	ND	89	ND	34	1239
07/13/2004	A4663801	8021	ND	42	16	19	30	27	950	ND	200	ND	40	1324
10/13/2004	A4A09403	8021	ND	ND	18	5.8	1.5 B	14	760 D	2.4	250 D	ND	21	1072.7
04/19/2005	A5387404	8260	ND	ND	21	6.9	ND	10	1100 E	2.6	450 E	ND	22	1612.5
04/19/2005	A5387404DL	8260	ND	ND	ND	ND	ND	ND	1100 D	ND	440 D	ND	ND	1540
07/21/2005	A5768401	8260/5ML	ND	ND	8.5	8.4	ND	24	1100 E	ND	300	ND	9	1449.9
07/21/2005	A5768401DL	8260/5ML	ND	ND	ND	ND	ND	12 D	640 D	ND	110 D	ND	38 D	800
10/20/2005	A5B92004	8260	ND	ND	6.7	ND	6.5 B	20	1000 E	ND	210	ND	13	1256.2
10/20/2005	A5B92004DL	8260	ND	ND	ND	ND	ND	12 D	640 D	ND	140 BD	ND	22 D	814
01/24/2006	A6089113	8260	ND	ND	2.8	ND	4.2	2.3	230	ND	81	ND	4.7	325
04/18/2006	6D19002-03	8260	ND	ND	3	1	ND	5	321 D	ND	137	ND	5	472
07/14/2006	6G14010-05	8260	ND	ND	7	5	9	20	838 D	ND	202	ND	59	1140
10/11/2006	6J12003-01	8260	ND	ND	3	2	ND	8	368 D	ND	73	ND	19	473
01/10/2007	7A11003-05	8260	ND	ND	2	ND	ND	2	225 D	ND	84	ND	7	320
04/12/2007	7D13007-01	8260	ND	ND	1	ND	ND	3	152	ND	63	ND	8	227
07/12/2007	7G13019-08	8260	ND	ND	3	2	ND	10	437 D	ND	127	ND	25	604
10/09/2007	7J10006-02	8260	ND	ND	ND	ND	ND	9	413	ND	122	ND	27	571
01/08/2008	8A09005-01	8260	ND	ND	ND	ND	ND	ND	241	ND	59	ND	ND	300
04/10/2008	8D11008-03	8260	ND	ND	7	ND	12	6	536	ND	456	ND	18	1035
07/24/2008	5424627	8260	ND	ND	4.4 J	4.2 J	ND	14	660	ND	210	ND	33	925.6
10/15/2008	5499970	8260	ND	ND	3.7 J	2.6 J	ND	12	470	ND	180	ND	6.1	674.4
01/14/2009	5577590	8260	ND	ND	4.9 J	2.1 J	ND	3.6 J	260	3.4 J	270	ND	3.4 J	547.4
04/14/2009	5646770	8260	ND	ND	5.2	3.1 J	ND	7	460	3.2 J	460	ND	17	955.5
07/09/2009	5720678	8260	ND	ND	4.7 J	3.7 J	ND	14	640	0.92 J	230	ND	39	932.32
10/05/2009	5797965	8260	ND	ND	4.5 J	3 J	ND	9.7	520	ND	180	ND	33	750.2
01/25/2010	5892345	8260	ND	ND	ND	ND	ND	ND	59	ND	71	ND	1.6 J	131.6
04/13/2010	5953086	8260	ND	ND	4.2 J	2.6 J	ND	5.8	360	2.3 J	340	ND	19	733.9
07/14/2010	6032692	8260	ND	ND	3.3 J	2 J	ND	8	430	ND	140	ND	24	607.3
10/14/2010	6113372	8260	ND	ND	6	4.7 J	ND	18	740	1.2 J	240	ND	13	1022.9
01/25/2011	6191897	8260	ND	ND	3.4 J	0.8 J	ND	2.7 J	200	ND	68	ND	4.5 J	279.4
04/18/2011	6261651	8260	ND	ND	22	4.7 J	ND	4.8 J	500	3 J	490	ND	15	1039.5

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2011	6342652	8260	ND	ND	12	3.9 J	ND	7.4	450	1.5 J	380	ND	16	870.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732701	8021	ND	ND	ND	ND	ND	ND	160	ND	730	ND	ND	890
07/02/2003	A3639711	8021	ND	ND	ND	ND	ND	0.83 J	39	ND	260 D	ND	ND	299.83
06/29/2004	A4614507	8021	ND	ND	ND	ND	12	ND	9.1	ND	120	ND	ND	141.1
06/29/2004	A4614507RE	8021	ND	ND	ND	ND	13	ND	10	ND	130	ND	ND	153
07/08/2005	A5715204	8260/5ML	ND	ND	ND	ND	ND	1.8	96	ND	560 E	9	ND	666.8
07/08/2005	A5715204DL	8260/5ML	ND	ND	ND	ND	ND	ND	81 D	ND	500 D	6.7 D	ND	587.7
07/13/2006	6G14009-04	8260	ND	ND	ND	ND	ND	ND	306	ND	1500 D	9	17	1832
07/10/2007	7G11015-02RE1	8260	ND	ND	ND	ND	ND	ND	67	ND	541	11	ND	619
07/21/2008	5420898	8260	ND	ND	ND	ND	ND	1.1 J	130	ND	300	3.9 J	ND	435
07/18/2011	6348761	8260	ND	ND	ND	ND	ND	1.1 J	64	ND	360	4.3 J	ND	429.4

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-15M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793603	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	1.4
07/15/2003	A3670606	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674101	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	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420897	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719628	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036144	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342642	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732702	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	2.3
07/02/2003	A3639712	8021	ND	ND	ND	ND	ND	ND	ND	ND	4.7	ND	ND	4.7
07/02/2003	A3639712RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
06/29/2004	A4614510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	0.77 J	ND	ND	0.77
07/13/2006	6G14009-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418429	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719617	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2010	6030553	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2011	6355558	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	ND	ND	1.1

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041308	8021	ND	ND	ND	ND	ND	ND	3100	ND	8000	ND	ND	11100
04/20/2001	A1366401	624	ND	ND	100 E	9.7	ND	30	1500 D	9.4	5300 D	3.6	6.1	6958.8
07/11/2001	A1648713	8021	ND	ND	ND	ND	180	ND	3700	ND	8400	ND	ND	12280
10/16/2001	A1A17410	8021	ND	ND	ND	ND	1000	ND	2600	ND	29000	ND	ND	32600
01/25/2002	A2081503	8021	ND	140	ND	ND	140	ND	4500	ND	2800	ND	91	7671
04/22/2002	A2391101	8021	ND	ND	ND	ND	76	ND	12000	ND	4300	ND	2100	18476
07/17/2002	A2732601	8021	ND	ND	ND	ND	160	ND	8600	ND	5500	ND	1800	16060
10/15/2002	A2A23603	8021	ND	ND	ND	ND	1000	ND	49000	ND	17000	ND	4300	71300
01/24/2003	A3075207	8021	ND	ND	ND	ND	190	ND	12000	ND	7100	ND	2600	21890
04/23/2003	A3376304	8021	ND	ND	ND	ND	ND	ND	12000	ND	4400	ND	1400	17800
07/22/2003	A3699406	8021	ND	ND	ND	ND	ND	ND	13000	ND	3800	ND	1100	17900
10/22/2003	A3A28302	8021	ND	ND	ND	ND	170	ND	20000	ND	2500	ND	2600	25270
01/21/2004	A4053403	8021	ND	ND	ND	ND	ND	ND	7800	ND	5600	ND	620	14020
04/28/2004	A4387504	8021	ND	ND	ND	ND	ND	ND	8100	ND	5300	ND	700	14100
07/09/2004	A4647102	8021	ND	ND	120	220	ND	ND	14000	ND	3500	ND	1600	19440
10/08/2004	A4994203	8021	ND	ND	ND	ND	ND	ND	7700	ND	3300	ND	640	11640
01/18/2005	A5051102	8260	ND	ND	100	52	ND	ND	9600	ND	7800	ND	1300	18852
04/19/2005	A5387401	8260	ND	ND	ND	ND	ND	ND	13000 E	ND	6900	ND	1300	21200
04/19/2005	A5387401DL	8260	ND	ND	ND	ND	ND	ND	12000 D	ND	6700 D	ND	1200 D	19900
07/21/2005	A5768404	8260/5ML	ND	ND	110	ND	ND	130	15000	ND	8600	ND	1500	25340
10/21/2005	A5B92803	8260	ND	ND	69	43	ND	60	3300 E	120 E	2900 E	0.98 J	850 E	7342.98
10/21/2005	A5B92803DL	8260	ND	ND	ND	ND	ND	ND	9500 D	140 D	8900 D	ND	1000 D	19540
01/26/2006	A6102401	8260	ND	ND	67	ND	ND	ND	4300	ND	8400	ND	470	13237
04/19/2006	6D20002-04RE1	8260	ND	ND	48	39	ND	60	9570 D	ND	7730 D	ND	1210	18657
07/18/2006	6G19003-05	8260	ND	ND	72	40	212 B	61	8250 D	34	8170 D	ND	1320	18159
10/09/2006	6J10002-09	8260	ND	ND	66	28	129	36	6730 D	175	12000 D	ND	798	19962
01/09/2007	7A10006-08	8260	ND	ND	ND	ND	227	ND	5190	ND	12800 D	ND	372	18589
04/12/2007	7D13007-03	8260	ND	ND	ND	ND	ND	ND	3100	ND	3100	ND	475	6675
07/16/2007	7G17015-01	8260	ND	ND	ND	ND	ND	ND	8490	ND	2940	ND	1510	12940
10/09/2007	7J10006-08	8260	ND	ND	ND	ND	277	ND	12300	ND	3150	ND	2540	18267
01/07/2008	8A08003-10	8260	ND	ND	129	ND	350	ND	4910	ND	3070	ND	718	9177
04/09/2008	8D10002-02	8260	ND	ND	184	ND	468	ND	5820	70	2530	ND	1020	10092
07/25/2008	5426027	8260	ND	ND	71	44 J	ND	45 J	8000	11 J	3800	ND	1300	13271
10/14/2008	5498684	8260	ND	ND	100	50 J	ND	52	11000	10 J	3900	ND	1500	16612
01/14/2009	5577592	8260	ND	ND	180	39	ND	34	5900	49	2800	5.8 J	910	9917.8
04/15/2009	5647720	8260	ND	ND	210	49 J	ND	35 J	6600	75	3900	9.4 J	750	11628.4
07/07/2009	5718470	8260	ND	ND	120	50	ND	62	14000	20 J	3700	ND	2200	20152

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- 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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800387	8260	ND	ND	84	52	ND	44	7500	12	4900	2.3 J	960	13554.3
01/20/2010	5888921	8260	ND	ND	220	39 J	ND	32 J	6300	67	3000	ND	620	10278
04/12/2010	5951990	8260	ND	ND	260	65	ND	39 J	7400	93	7900	14 J	820	16591
07/14/2010	6032688	8260	ND	ND	110	46 J	ND	53	14000	14 J	4300	ND	1700	20223
10/14/2010	6113376	8260	ND	ND	35 J	26 J	ND	27 J	8600	ND	4500	ND	940	14128
01/25/2011	6191890	8260	ND	ND	90	35 J	ND	42 J	7400	15 J	6100	ND	720	14402
04/19/2011	6263087	8260	ND	ND	36	29	ND	54	14000	21 J	5300	ND	1400	20840
07/13/2011	6343974	8260	ND	ND	150	47 J	ND	47 J	11000	32 J	6600	ND	1200	19076

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035105	8021	ND	ND	2.2	ND	ND	1.2	12	1.6	ND	ND	13	30
04/19/2001	A1361313	624	ND	ND	0.38	ND	ND	ND	2.5	ND	0.24	ND	3.4	6.52
07/12/2001	A1663803	8021	ND	ND	1.9	ND	ND	0.51 J	12	0.47 J	0.56 J	ND	15	30.44
10/12/2001	A1A01001	8021	ND	ND	1	ND	ND	1	28	ND	0.71 J	ND	13	43.71
01/14/2002	A2039402	8021	ND	ND	0.73 J	ND	ND	2.4	61 D	ND	1.8	ND	17	82.93
04/08/2002	A2332602	8260	ND	ND	0.59 J	ND	ND	2.8	56	ND	1.7	ND	12	73.09
07/08/2002	A2695503	8021	ND	ND	ND	ND	ND	1.9	59	ND	ND	ND	22	82.9
10/02/2002	A2980603	8021	ND	ND	0.62 J	ND	ND	2.2	30	ND	0.82 J	ND	14	47.64
01/13/2003	A3038004	8021	ND	ND	0.62 J	ND	ND	1.4	18	ND	ND	ND	14	34.02
04/21/2003	A3370801	8021	ND	ND	0.44 J	ND	1.8 J	3.3	78	ND	4.9	ND	18	106.44
07/14/2003	A3670602	8021	ND	ND	ND	ND	ND	2.6	78	ND	ND	ND	12	92.6
10/15/2003	A3998705	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	19	55
01/07/2004	A4012302	8021	ND	ND	ND	ND	ND	5.7	120	ND	ND	ND	6.1	131.8
04/29/2004	A4402301	8021	ND	ND	ND	ND	ND	1.8	26	ND	ND	ND	16	43.8
07/14/2004	A4664201	8021	ND	ND	ND	ND	ND	2.4	13	ND	ND	ND	11	26.4
10/15/2004	A4A20701	8021	ND	ND	ND	ND	1.2	1.4	33	ND	ND	ND	9	44.6
01/12/2005	A5036402	8260	ND	ND	ND	ND	ND	2.9	45	ND	ND	ND	9	56.9
04/04/2005	A5307809	8260	ND	ND	ND	ND	ND	4.7	72	ND	ND	ND	11	87.7
07/15/2005	A5747001	8260	ND	ND	ND	ND	1.8 J	6.6	92 E	ND	ND	ND	32	132.4
07/15/2005	A5747001DL	8260	ND	ND	ND	ND	2.6 D	5.2 D	75 D	ND	ND	ND	26 D	108.8
07/14/2006	6G14010-03	8260	ND	ND	ND	ND	ND	2	23	ND	1	ND	9	35
07/05/2007	7G06018-01	8260	ND	ND	ND	ND	ND	1	27	ND	ND	ND	11	39
07/23/2008	5423260	8260	ND	ND	ND	ND	ND	1.1 J	26	ND	ND	ND	11	38.1
07/07/2009	5718468	8260	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	5.5	16.5
07/15/2010	6033922	8260	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND	5.4	11.9
07/18/2011	6348765	8260	ND	ND	ND	ND	ND	ND	8.1	ND	ND	ND	4.6 J	12.7

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035110	8021	ND	ND	1.4	ND	ND	ND	6.4	1.5	0.32 J	ND	1.4 J	11.02
04/19/2001	A1361309	624	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
07/12/2001	A1663806	8021	ND	ND	0.32 J	ND	ND	ND	5.5	0.27 J	0.95 J	ND	0.56 J	7.6
10/12/2001	A1A01005	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.25 J	ND	0.24 J	2.89
01/14/2002	A2039401	8021	ND	ND	0.25 J	ND	ND	ND	3.4	0.25 J	0.98 J	ND	1 J	5.88
04/08/2002	A2332601	8260	ND	ND	0.37 J	ND	ND	ND	3.4	0.22 J	0.37 J	0.24 J	0.35 J	4.95
07/08/2002	A2695501	8021	ND	ND	ND	ND	ND	ND	4.6	ND	ND	ND	ND	4.6
10/02/2002	A2980601	8021	ND	ND	0.32 J	ND	ND	ND	4.2	0.36 J	1.1 J	ND	0.43 J	6.41
01/13/2003	A3038002	8021	ND	ND	ND	ND	ND	ND	2.9	ND	1.4	ND	0.37 J	4.67
04/22/2003	A3376401	8021	ND	ND	0.31 J	ND	ND	ND	4.6	0.33 J	ND	ND	0.92 J	6.16
07/14/2003	A3670601	8021	ND	ND	0.24 J	ND	ND	ND	4.9	0.21 J	0.28 J	ND	0.51 J	6.14
10/15/2003	A3998704	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/07/2004	A4012301	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/27/2004	A4387401	8021	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	ND	7.2
07/13/2004	A4664209	8021	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
10/13/2004	A4A09501	8021	ND	ND	ND	ND	ND	ND	11	0.57 J	ND	ND	1	12.57
01/12/2005	A5036401	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.41 J	ND	0.98 J	5.09
04/04/2005	A5307808	8260	ND	ND	ND	ND	ND	ND	3.7	ND	0.32 BJ	ND	0.75 J	4.77
07/21/2005	A5768301	8260/5ML	ND	ND	ND	ND	ND	ND	6.3	ND	ND	ND	1 J	7.3
10/20/2005	A5B91902	8260	ND	ND	ND	ND	ND	ND	4	ND	0.51 J	ND	0.92 J	5.43
01/24/2006	A6089112	8260	ND	ND	ND	ND	ND	ND	4.2	ND	0.56 J	ND	1.3 J	6.06
04/18/2006	6D19002-04	8260	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
07/14/2006	6G14010-06	8260	ND	ND	ND	ND	8	ND	3	ND	ND	ND	ND	11
10/11/2006	6J12003-08	8260	ND	ND	ND	ND	ND	ND	5	ND	1	ND	ND	6
01/08/2007	7A09003-05	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/12/2007	7D13007-02	8260	ND	ND	ND	ND	8	ND	4	ND	ND	ND	ND	12
07/10/2007	7G11015-05	8260	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
10/09/2007	7J10006-03	8260	ND	ND	ND	ND	ND	ND	2	ND	16	ND	ND	18
01/07/2008	8A08003-05	8260	ND	ND	ND	ND	2	ND	3	ND	ND	ND	ND	5
04/10/2008	8D11008-02	8260	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/16/2008	5417449	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/15/2008	5499969	8260	ND	ND	ND	ND	ND	ND	3.8 J	ND	2.2 J	ND	ND	6
01/14/2009	5577589	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	ND	ND	ND	2.6
04/14/2009	5646769	8260	ND	ND	ND	ND	ND	ND	3.5 J	ND	ND	ND	1.3 J	4.8
07/09/2009	5720693	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/05/2009	5797964	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	ND	ND	2.7
01/25/2010	5892344	8260	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	ND	ND	2.1

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/13/2010	5953087	8260	ND	ND	ND	ND	ND	ND	2 J	ND	ND	ND	ND	2
07/14/2010	6032693	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8
10/14/2010	6113368	8260	ND	ND	ND	ND	ND	1.9 J	120	ND	25	ND	1.6 J	148.5
01/25/2011	6191896	8260	ND	ND	ND	ND	ND	ND	15	ND	1.9 J	ND	ND	16.9
04/18/2011	6261650	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	ND	ND	ND	2.4
07/12/2011	6342653	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	ND	ND	ND	2.8

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345807	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332612	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670608	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043904	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/22/2005	A5402101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2006	6G19003-10RE1	8260	ND	ND	ND	ND	6 B	ND	ND	ND	ND	ND	ND	6
07/11/2007	7G12003-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422165	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720683	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038211	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353675	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/23/2001	A1375208	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695511	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2003	A3356602	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670607	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2003	A3998706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/30/2004	A4402302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2004	A4674102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2004	A4A27801	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
01/14/2005	A5038301	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
04/22/2005	A5402104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2005	A5790301	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92301	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/11/2007	7A12004-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-02	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/07/2008	8D08002-02	8260	ND	ND	ND	ND	10 B	ND	ND	ND	ND	ND	ND	10
07/21/2008	5420899	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499966	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576506	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651170	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722289	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799017	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893229	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948416	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033914	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-21M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethylene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethylene (TCE) (ug/L)	Tetrachloro- ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/19/2010	6116884	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/2011	6194102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2011	6258133	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2011	6355562	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035101	8021	ND	1.3	ND	ND	4.2	ND	110	ND	4.4	ND	9.6	129.5
04/23/2001	A1375207	8021	ND	ND	ND	ND	ND	ND	510	ND	50	ND	ND	560
07/18/2001	A1682908	8021	ND	ND	ND	ND	2.5	1	130	ND	13	ND	7	153.5
10/17/2001	A1A23305	8021	ND	ND	ND	ND	ND	1.5	230	ND	13	ND	36	280.5
01/23/2002	A2076701	8021	ND	ND	7.6	4.6	2.1 J	21	1400 D	ND	110 D	ND	9.6	1554.9
04/18/2002	A2378801	8021	ND	ND	ND	ND	0.8 J	ND	130	ND	9.2	ND	36	176
07/15/2002	A2722901	8021	ND	ND	ND	ND	2.2 J	1.4	91	ND	4.9	ND	8.1	107.6
10/15/2002	A2A23601	8021	ND	ND	ND	ND	ND	ND	79	ND	6.2	ND	13	98.2
01/22/2003	A3068901	8021	ND	ND	ND	ND	ND	0.94 J	80	ND	3.2	ND	12	96.14
04/24/2003	A3389602	8021	ND	ND	ND	ND	1.6 J	ND	130	ND	13	ND	30	174.6
07/17/2003	A3683901	8021	ND	ND	ND	ND	ND	ND	140	ND	5	ND	13	158
10/21/2003	A3A21902	8021	ND	ND	ND	ND	ND	ND	160	ND	5.7	ND	2.3	168
04/30/2004	A4402503	8021	ND	ND	ND	ND	ND	ND	99	ND	ND	ND	40	139
07/15/2004	A4674303	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	8260	ND	ND	ND	ND	ND	1	61	ND	17	ND	14	93
07/17/2006	6G18004-05	8260	ND	ND	ND	ND	ND	ND	29	ND	5	ND	2	36
10/10/2006	6J11002-08	8260	ND	ND	ND	ND	ND	1	66	ND	10	ND	4	81
01/11/2007	7A12004-02	8260	ND	ND	3	ND	ND	14	370 D	ND	89	ND	ND	476
04/19/2007	7D20005-01	8260	ND	ND	ND	ND	ND	5	136	ND	35	ND	5	181
07/18/2007	7G19011-02	8260	ND	ND	ND	ND	ND	ND	26	ND	5	ND	ND	31
10/11/2007	7J12012-03	8260	ND	ND	ND	ND	ND	ND	24	ND	4	ND	ND	28
01/09/2008	8A10002-01	8260	ND	ND	ND	ND	ND	ND	17	ND	3	ND	3	23
04/08/2008	8D09003-07	8260	ND	ND	2	1	6	10	301 D	ND	95	ND	2	417
07/21/2008	5420900	8260	ND	ND	ND	ND	ND	ND	24	ND	4.9 J	ND	1.2 J	30.1
10/15/2008	5499967	8260	ND	ND	ND	ND	ND	ND	29	ND	4.1 J	ND	ND	33.1
01/13/2009	5576505	8260	ND	ND	3.1 J	2 J	ND	14	460	ND	120	ND	1 J	600.1
04/20/2009	5651167	8260	ND	ND	ND	ND	ND	3.8 J	150	ND	39	ND	9.9	202.7
07/13/2009	5722290	8260	ND	ND	ND	ND	ND	ND	27	ND	4.8 J	ND	1.6 J	33.4

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FORMER CARBORUNDUM FACILITY

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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799012	8260	ND	ND	ND	ND	ND	1.5 J	70	ND	15	ND	1.1 J	87.6
01/26/2010	5893228	8260	ND	ND	ND	ND	ND	4.8 J	120	ND	44	ND	ND	168.8
04/19/2010	5957668	8260	ND	ND	ND	ND	ND	3.8 J	110	ND	30	ND	ND	143.8
07/15/2010	6033915	8260	ND	ND	ND	ND	ND	ND	38	ND	7.2	ND	ND	45.2
10/19/2010	6116887	8260	ND	ND	ND	ND	ND	ND	27	ND	6.7	ND	1.9 J	35.6
01/27/2011	6194103	8260	ND	ND	ND	ND	ND	1.3 J	64	ND	15	ND	1.3 J	81.6
04/14/2011	6259038	8260	ND	ND	2.5 J	1 J	ND	7.7	280	ND	97	ND	ND	388.2
07/25/2011	6355561	8260	ND	ND	ND	ND	ND	2.3 J	93	ND	26	ND	1.3 J	122.6

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043902	8021	ND	3.6	ND	ND	1.9 J	6.4	210	ND	13	ND	15	249.9
04/16/2001	A1345805	624	ND	ND	ND	ND	ND	7	150 D	ND	52	ND	ND	209
07/16/2001	A1674115	8021	ND	4.9	ND	ND	2.8	5.5	230	ND	23	ND	8.5	274.7
10/18/2001	A1A23310	8021	ND	ND	ND	ND	3.5	ND	280	ND	11	ND	ND	294.5
01/23/2002	A2076703	8021	ND	7.4	ND	ND	4.2	5	310	ND	39	ND	6.8	372.4
04/18/2002	A2378802	8021	ND	ND	ND	ND	ND	ND	350	ND	ND	ND	22	372
07/15/2002	A2722903	8021	ND	ND	ND	ND	6	3.3	410	ND	4.3	ND	20	443.6
10/09/2002	A2A07510	8021	ND	ND	ND	ND	ND	ND	300	ND	18	ND	17	335
01/22/2003	A3068902	8021	ND	2.7	ND	ND	ND	4.8	140	ND	45	ND	ND	192.5
04/21/2003	A3370901	8021	ND	ND	ND	ND	12	2.1	320	ND	ND	ND	17	351.1
07/21/2003	A3699401	8021	ND	ND	ND	ND	ND	2	370	ND	2.7	ND	15	389.7
10/20/2003	A3A13901	8021	ND	ND	ND	ND	ND	ND	320	ND	3.8	ND	15	338.8
01/29/2004	A4077603	8021	ND	ND	ND	ND	ND	3	320	ND	74	ND	9.1	406.1
04/23/2004	A4373101	8021	ND	ND	ND	ND	ND	ND	400	ND	ND	ND	28	428
07/21/2004	A4687101	8260	ND	ND	ND	ND	10	ND	340	ND	9.9	ND	ND	359.9
10/20/2004	A4A32301	8021	ND	ND	ND	ND	ND	ND	230	ND	7.1	ND	12	249.1
01/13/2005	A5036108	8260	ND	ND	ND	ND	ND	ND	360	ND	53	ND	5.9	418.9
04/19/2005	A5387405	8260	ND	ND	ND	ND	ND	ND	380	ND	32	ND	21	433
07/18/2005	A5753801	8260/5ML	ND	ND	ND	ND	ND	ND	360	ND	ND	ND	32	392
10/20/2005	A5B92001	8260	ND	ND	1.7	1.2	ND	1.8	380 E	ND	3	ND	61	448.7
10/20/2005	A5B92001DL	8260	ND	ND	ND	ND	9.2 BD	ND	370 D	ND	ND	ND	50 D	429.2
01/23/2006	A6084701	8260	ND	ND	ND	ND	ND	3	300	ND	96	ND	9.3	408.3
04/21/2006	6D21017-01	8260	ND	ND	1	ND	ND	1	272 D	ND	9	ND	17	300
07/20/2006	6G21005-05	8260	ND	ND	ND	ND	25	ND	309	ND	ND	ND	39	373
10/10/2006	6J11002-02RE1	8260	ND	ND	1	ND	ND	2	243 D	ND	10	ND	28	284
01/08/2007	7A09003-01	8260	ND	ND	ND	ND	ND	ND	238	ND	182	ND	ND	420
04/18/2007	7D19009-01	8260	ND	ND	2	ND	ND	2	239 D	ND	41	ND	17	301
07/11/2007	7G12003-01	8260	ND	ND	ND	ND	ND	ND	178	ND	8	ND	24	210
10/10/2007	7J11002-03	8260	ND	ND	1	ND	ND	ND	272 D	ND	2	ND	34	309
01/08/2008	8A09005-04	8260	ND	ND	ND	ND	ND	4	171	ND	71	ND	11	257
04/09/2008	8D10002-04	8260	ND	ND	2	1	2	2	292 D	ND	21	ND	24	344
07/25/2008	5426028	8260	ND	ND	1.1 J	ND	ND	0.87 J	270	ND	1.8 J	ND	58	331.77
10/17/2008	5502673	8260	ND	ND	1.2 J	ND	ND	0.9 J	280	ND	1.5 J	ND	37	320.6
01/13/2009	5576509	8260	ND	ND	2.2 J	0.96 J	ND	2.3 J	270	ND	53	ND	17	345.46
04/13/2009	5647710	8260	ND	ND	1.4 J	ND	ND	1.6 J	260	ND	21	ND	11	295
07/14/2009	5723623	8260	ND	ND	1.2 J	ND	ND	0.93 J	290	ND	2.8 J	ND	33	327.93
10/05/2009	5797962	8260	ND	ND	1.1 J	ND	ND	0.93 J	260	ND	4.8 J	ND	29	295.83

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2010	5889953	8260	ND	ND	2.4 J	0.87 J	ND	2.5 J	240	1.8 J	110	ND	9.7	367.27
04/19/2010	5957669	8260	ND	ND	1.7 J	0.91 J	ND	1.3 J	280	ND	22	ND	28	333.91
07/13/2010	6031621	8260	ND	ND	1.3 J	ND	ND	0.95 J	270	ND	8.2	ND	40	320.45
10/18/2010	6115537	8260	ND	ND	ND	ND	ND	0.93 J	270	ND	1.2 J	ND	33	305.13
01/26/2011	6192948	8260	ND	ND	2.6 J	ND	ND	3.5 J	170	1.4 J	120	ND	1.7 J	299.2
04/21/2011	6266004	8260	ND	ND	1.1 J	0.83 J	ND	1 J	280	ND	ND	ND	17	299.93
07/21/2011	6353678	8260	ND	ND	1.1 J	ND	ND	0.86 J	260	ND	3.7 J	ND	28	293.66

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052406	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/16/2001	A1345804	624	ND	ND	ND	ND	ND	ND	ND	ND	1.9	ND	ND	1.9
07/16/2001	A1674112	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2001	A1A23309	8021	ND	ND	ND	ND	ND	ND	ND	ND	15	ND	ND	15
01/22/2002	A2066009	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.6	ND	ND	4.7
04/17/2002	A2378402	8021	ND	ND	ND	ND	ND	ND	1.8	ND	5.9	ND	ND	7.7
07/12/2002	A2713902	8021	ND	ND	ND	ND	ND	ND	1.5	ND	4.7	ND	ND	6.2
10/09/2002	A2A07702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2003	A3060801	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	1.9	ND	ND	2.17
04/09/2003	A3329507	8021	ND	ND	ND	ND	ND	ND	1.2	ND	6.5	ND	ND	7.7
07/08/2003	A3649105	8021	ND	ND	ND	ND	ND	ND	1.1	ND	3.3	ND	ND	4.4
10/13/2003	A3991402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356801	8021	ND	ND	ND	ND	ND	ND	1.2	ND	3.7	ND	ND	4.9
07/13/2004	A4664001	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4	ND	ND	5.4
10/20/2004	A4A32402	8021	ND	ND	ND	ND	ND	ND	1.3	ND	4	ND	ND	5.3
01/12/2005	A5036204	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	4.1	ND	ND	4.89
04/06/2005	A5317804	8260	ND	ND	ND	ND	ND	ND	0.63 J	ND	3.4	ND	ND	4.03
07/12/2005	A5733203	8260/5ML	ND	ND	ND	ND	ND	ND	0.97 J	ND	3.5	ND	ND	4.47
10/05/2005	A5B10601	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
01/23/2006	A6084702	8260	ND	ND	ND	ND	ND	ND	1.6	ND	3.8	ND	ND	5.4
04/12/2006	6D13005-06	8260	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
07/19/2006	6G20004-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2006	6J11002-03	8260	ND	ND	ND	ND	ND	ND	1	ND	2	ND	ND	3
01/08/2007	7A09003-02	8260	ND	ND	ND	ND	ND	ND	1	ND	3	ND	ND	4
04/04/2007	7D05011-02	8260	ND	ND	ND	ND	3	ND	1	ND	3	ND	ND	7
07/11/2007	7G12003-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
10/10/2007	7J11002-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-05	8260	ND	ND	ND	ND	ND	ND	6	ND	12	ND	ND	18
04/07/2008	8D08002-05	8260	ND	ND	ND	ND	ND	ND	1	ND	4	ND	ND	5
07/28/2008	5426821	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/17/2008	5502674	8260	ND	ND	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	4.3
01/13/2009	5576514	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	4.2 J	ND	ND	5.3
04/13/2009	5647711	8260	ND	ND	ND	ND	ND	ND	0.99 J	ND	3.2 J	ND	ND	4.19
07/15/2009	5724678	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
10/05/2009	5797963	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3
01/21/2010	5889950	8260	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.6 J	ND	ND	3.55
04/06/2010	5946905	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	ND	ND	2.7

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-24M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/20/2010	6038212	8260	ND	ND	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	3.1
10/18/2010	6115538	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2011	6192949	8260	ND	ND	ND	ND	ND	ND	2.3 J	ND	6	ND	ND	8.3
04/13/2011	6258126	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/19/2011	6350144	8260	ND	ND	ND	ND	ND	ND	1 J	ND	3.5 J	ND	ND	4.5

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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639714	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664208	8021	ND	ND	ND	ND	ND	ND	1.4	ND	1.3	ND	ND	2.7
07/12/2005	A5733105	8260/5ML	ND	ND	ND	ND	ND	ND	0.68 J	ND	1.3	ND	ND	1.98

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/16/2001	A1674101	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639715	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2005	A5715202	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-03	8260	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/18/2007	7G19011-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/24/2008	5424621	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723631	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031619	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2011	6348769	8260	ND	ND	ND	ND	ND	ND	ND	ND	8.9	ND	ND	8.9

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-27M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/12/2001	A1663805	8021	ND	ND	ND	ND	5.8	8.5	400	ND	34	ND	ND	448.3
07/16/2002	A2722910	8021	ND	ND	ND	ND	5.7	9.4	240	ND	18	ND	14	287.1
07/10/2003	A3654301	8021	ND	ND	ND	ND	ND	6.8	230	ND	4.1	ND	9	249.9
07/07/2004	A4636801	8021	ND	ND	ND	1	ND	4.4	80	ND	4.8	ND	4.1	94.3
07/14/2005	A5740601	8260/5ML	ND	ND	ND	ND	ND	3.3	50	ND	5.3	ND	2.3	60.9

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035102	8021	ND	ND	ND	ND	ND	ND	1.5	ND	ND	ND	ND	1.5
04/23/2001	A1375205	8021	ND	ND	ND	ND	ND	ND	0.66 J	ND	ND	ND	ND	0.66
07/18/2001	A1682909	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2001	A1A23303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347902	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.25 J	ND	ND	0.25
07/10/2002	A2708304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978809	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2005	A5038302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317606	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2005	A5724501	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2005	A5B92302	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2006	6G18004-06RE1	8260	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
10/10/2006	6J11002-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/11/2007	7A12004-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2007	7D06002-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/09/2008	8A10002-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499968	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576507	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651173	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2009	5722291	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799013	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2010	5893227	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/07/2010	5948415	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2010	6033916	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2010	6116886	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/27/2011	6194104	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2011	6258132	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2011	6355560	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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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-29M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043901	8021	ND	ND	ND	ND	ND	ND	16	ND	0.29 J	ND	1.8	18.09
04/16/2001	A1345806	624	ND	ND	ND	ND	ND	ND	11	ND	ND	ND	ND	11
07/16/2001	A1674114	8021	ND	ND	ND	ND	ND	ND	21	ND	1 J	ND	1.1 J	23.1
10/18/2001	A1A23315	8021	ND	ND	ND	ND	ND	ND	26	ND	7.8	ND	1.8	35.6
01/21/2002	A2066006	8021	ND	ND	ND	ND	ND	ND	26	ND	ND	ND	ND	26
04/17/2002	A2378401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708316	8021	ND	ND	ND	ND	ND	ND	32	ND	0.88 J	ND	2.5	35.38
10/09/2002	A2A07701	8021	ND	ND	ND	ND	ND	ND	34	ND	ND	ND	4.5	38.5
01/16/2003	A3055802	8021	ND	ND	ND	ND	ND	ND	9	ND	0.23 J	ND	0.77 J	10
04/21/2003	A3371001	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
07/16/2003	A3683701	8021	ND	ND	ND	ND	ND	ND	12	ND	ND	ND	0.68 J	12.68
10/20/2003	A3A13701	8021	ND	ND	ND	ND	ND	ND	47	ND	1.5	ND	3.8	52.3
01/29/2004	A4077402	8021	ND	ND	ND	0.2 J	ND	ND	26	ND	1.8	ND	2.1	30.1
04/23/2004	A4373001	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/21/2004	A4687001	8260	ND	ND	ND	ND	ND	ND	15	ND	0.73 J	ND	ND	15.73
10/20/2004	A4A32401	8021	ND	ND	ND	ND	ND	ND	24	ND	1.4	ND	2.4	27.8
01/13/2005	A5036206	8260	ND	ND	ND	ND	ND	ND	22	ND	1.8	ND	2.1	25.9
04/19/2005	A5387502	8260	ND	ND	ND	ND	ND	ND	12	ND	1.1 J	ND	1.4 J	14.5
07/18/2005	A5753701	8260/5ML	ND	ND	ND	ND	ND	ND	36	ND	3.2	ND	3.1	42.3
07/20/2006	6G21005-08	8260	ND	ND	ND	ND	3	ND	43	ND	8	ND	3	57
07/11/2007	7G12003-02	8260	ND	ND	ND	ND	ND	ND	30	ND	6	ND	3	39
07/25/2008	5426025	8260	ND	ND	ND	ND	ND	ND	19	ND	3 J	ND	1.8 J	23.8
07/14/2009	5723624	8260	ND	ND	ND	ND	ND	ND	17	ND	1.7 J	ND	2.6 J	21.3
07/13/2010	6031620	8260	ND	ND	ND	ND	ND	ND	6.6	ND	ND	ND	1 J	7.6
07/21/2011	6353677	8260	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	5.8

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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-31M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041302	8021	ND	ND	ND	ND	ND	ND	4.6	ND	1 J	ND	ND	5.6
04/24/2001	A1375201	8021	ND	ND	ND	ND	ND	ND	5.5	ND	1.2	ND	ND	6.7
07/16/2001	A1674102	8021	ND	ND	ND	ND	ND	ND	7.1	ND	0.56 J	ND	0.57 J	8.23
10/10/2001	A1994706	8021	ND	ND	ND	ND	ND	ND	7.3	ND	ND	ND	0.48 J	7.78
01/17/2002	A2058501	8021	ND	ND	ND	ND	ND	0.2 J	13	ND	4	ND	ND	17.2
04/09/2002	A2332608	8260	ND	ND	ND	ND	ND	ND	4.8	ND	1.1 J	ND	ND	5.9
07/09/2002	A2695509	8021	ND	ND	ND	ND	ND	ND	7.3	ND	1.4	ND	ND	8.7
10/03/2002	A2980607	8021	ND	ND	ND	ND	ND	ND	10	ND	1.7	ND	0.29 J	11.99
01/14/2003	A3043004	8021	ND	0.78 J	ND	ND	ND	ND	6.5	ND	1.2	ND	ND	8.48
04/07/2003	A3320702	8021	ND	ND	ND	ND	ND	ND	10	ND	2.6	ND	ND	12.6
07/02/2003	A3639716	8021	ND	ND	ND	ND	ND	ND	7.7	ND	2.1	ND	ND	9.8
10/09/2003	A3978810	8021	ND	ND	ND	ND	ND	ND	13	ND	3.5	ND	ND	16.5
04/20/2004	A4356903	8021	ND	ND	ND	ND	ND	ND	2.9	ND	ND	ND	ND	2.9
07/14/2004	A4664203	8021	ND	ND	ND	ND	ND	ND	8.8	ND	3.8	ND	ND	12.6
10/25/2004	A4A54101	8021	ND	ND	ND	ND	ND	ND	13	ND	4.5	ND	ND	17.5
01/19/2005	A5050909	8260	ND	ND	ND	ND	ND	ND	5.3	ND	3.2	ND	ND	8.5
04/05/2005	A5317610	8260	ND	ND	ND	ND	ND	ND	2.4	ND	0.64 J	ND	ND	3.04
07/08/2005	A5715201	8260/5ML	ND	ND	ND	ND	ND	ND	6.6	ND	2.3	ND	ND	8.9
07/17/2006	6G18004-01	8260	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/18/2007	7G19011-06	8260	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	2
07/24/2008	5424622	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.1 J	ND	ND	4.2
07/14/2009	5723632	8260	ND	ND	ND	ND	ND	ND	8.5	ND	4 J	ND	ND	12.5
07/13/2010	6031618	8260	ND	ND	ND	ND	ND	ND	3 J	ND	ND	ND	ND	3
07/18/2011	6348770	8260	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	ND	5.1

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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-32M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052401	8021	ND	ND	0.29 J	0.23 J	ND	1.8	47	ND	0.67 J	ND	7.5	57.49
04/18/2001	A1361303	624	ND	ND	ND	ND	ND	0.48	10	ND	ND	ND	1.1	11.58
07/18/2001	A1682902	8021	ND	ND	ND	ND	ND	0.61 J	38	ND	ND	ND	9.3	47.91
10/19/2001	A1A28802	8021	ND	ND	ND	ND	ND	0.81 J	56	ND	0.6 J	ND	9.4	66.81
01/14/2002	A2039403	8021	ND	ND	ND	ND	0.54 J	0.56 J	28	ND	1.1 J	ND	3.9	34.1
04/08/2002	A2332603	8260	ND	ND	ND	ND	ND	0.71 J	57	ND	0.68 J	ND	4.8	63.19
04/16/2002	A2369801	8021	ND	ND	0.34 J	0.27 J	ND	ND	62 D	ND	1.6	ND	5.8	70.01
07/08/2002	A2695505	8021	ND	ND	ND	ND	ND	ND	32	ND	ND	ND	2.8	34.8
10/09/2002	A2A07901	8021	ND	ND	ND	ND	ND	0.93 J	56	ND	ND	ND	9.7	66.63
01/13/2003	A3038005	8021	ND	ND	ND	ND	ND	ND	42	ND	1.9	ND	5.2	49.1
04/24/2003	A3389501	8021	ND	ND	ND	ND	ND	ND	56	ND	ND	ND	4.9	60.9
07/16/2003	A3684101	8021	ND	ND	ND	ND	ND	0.74 J	42	ND	0.51 J	ND	2.8	46.05
10/21/2003	A3A22001	8021	ND	ND	ND	ND	ND	0.91 J	61	ND	ND	ND	8.6	70.51
01/07/2004	A4012304	8021	ND	ND	ND	ND	ND	ND	38	ND	ND	ND	3.4	41.4
04/23/2004	A4372904	8021	ND	ND	ND	ND	ND	ND	36	ND	1.3	ND	2.8	40.1
07/20/2004	A4682903	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	8260	ND	ND	ND	ND	2	1	35	ND	ND	ND	7	45
07/10/2007	7G11015-08	8260	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	5	33
07/25/2008	5426032	8260	ND	ND	ND	ND	ND	1.4 J	31	ND	ND	ND	6.8	39.2
07/14/2009	5723630	8260	ND	ND	ND	ND	ND	ND	21	ND	ND	ND	10	31
07/13/2010	6031615	8260	ND	ND	ND	ND	ND	0.82 J	26	ND	ND	ND	11	37.82
07/19/2011	6350148	8260	ND	ND	1 J	ND	ND	1.4 J	54	ND	15	ND	4.7 J	76.1

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649207	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-06	8260	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/10/2007	7G11015-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426033	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2009	5723628	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031616	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350147	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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-34M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1- Dichloro- ethane (ug/L)	1,1- Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2- dichloro- ethene (ug/L)	Cis-1,2- dichloro- ethylene (ug/L)	1,1,1- Trichloro- ethane (ug/L)	Trichloro- ethylene (TCE) (ug/L)	Tetrachloro- ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708306	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-35M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2001	A1682906	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-37M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/03/2003	A3639717	8021	ND	ND	ND	2.2	ND	13	1500 D	1.8	64000 D	ND	ND	65517
06/29/2004	A4614513	8021	ND	ND	ND	ND	ND	ND	3400	ND	24000	ND	ND	27400
07/08/2005	A5715207	8260/5ML	ND	ND	ND	1.7	ND	19	880 E	ND	1300 E	ND	ND	2200.7
07/08/2005	A5715207DL	8260/5ML	ND	ND	ND	ND	28 D	ND	1900 D	ND	4900 D	ND	ND	6828

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-38M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/19/2001	A1056801	8021	ND	ND	ND	ND	ND	ND	45	ND	0.4 J	ND	ND	45.4
04/24/2001	A1375202	8021	ND	ND	ND	ND	ND	ND	48	ND	2.5	ND	ND	50.5
07/18/2001	A1682907	8021	ND	ND	ND	ND	ND	0.26 J	44	ND	1.8	ND	ND	46.06
10/19/2001	A1A28801	8021	ND	ND	ND	ND	ND	ND	43	ND	4.9	ND	1.1 J	49
01/21/2002	A2066004	8021	ND	ND	ND	ND	ND	0.51 J	48	ND	3.2	ND	ND	51.71
04/16/2002	A2370103	8021	ND	ND	0.49 J	0.26 J	ND	0.96 J	81 D	ND	3.7	ND	3.4	89.81
07/11/2002	A2708313	8021	ND	ND	0.42 J	ND	ND	1.1	84	ND	5.1	ND	ND	90.62
10/08/2002	A2999309	8021	ND	1.6	ND	ND	ND	ND	52	ND	4.8	ND	ND	58.4
10/15/2002	A2A23604	8021	ND	ND	ND	ND	ND	ND	41	ND	4.6	ND	ND	45.6
01/16/2003	A3055801	8021	ND	ND	ND	ND	ND	0.54 J	80	ND	7.8	ND	1.4 J	89.74
04/08/2003	A3329506	8021	ND	ND	ND	ND	3.4	ND	51	ND	3.9	ND	1.1 J	59.4
07/08/2003	A3649102	8021	ND	ND	ND	ND	2 J	ND	71	ND	2.8	ND	ND	75.8
10/13/2003	A3991401	8021	ND	ND	ND	ND	ND	ND	94	ND	6.1	ND	ND	100.1
01/09/2004	A4026202	8021	ND	ND	ND	ND	ND	ND	100	ND	8	ND	ND	108
04/13/2004	A4331805	8021	ND	ND	ND	ND	ND	1.1	88	ND	12	ND	ND	101.1
07/06/2004	A4636505	8021	ND	ND	1.6	1.9	ND	1.9	110	ND	23	ND	2	140.4
10/26/2004	A4A60201	8021	ND	ND	1.2	0.57 J	ND	1.3	140 E	ND	21	ND	0.85 J	164.92
01/20/2005	A5057701	8260	ND	ND	0.82 J	ND	1.1 J	0.91 J	74	ND	19	ND	ND	95.83
04/05/2005	A5317801	8260	ND	ND	1	0.63 J	ND	1.6	90 E	ND	31	ND	1.8	126.03
04/05/2005	A5317801DL	8260	ND	ND	ND	ND	2.8 D	ND	73 D	ND	24 D	ND	ND	99.8
07/11/2005	A5724702	8260/5ML	ND	ND	0.81 J	0.71 J	ND	1.3	73	ND	24	ND	ND	99.82
10/21/2005	A5B92601	8260	ND	ND	0.84 J	0.74 J	ND	1	78	ND	27	ND	1.8	109.38
01/24/2006	A6089104	8260	ND	ND	1.2	0.72 J	ND	1.3	81	ND	25	ND	2	111.22
04/13/2006	6D14002-05	8260	ND	ND	1	ND	ND	2	82	ND	33	ND	ND	118
07/17/2006	6G18004-04	8260	ND	ND	ND	ND	ND	1	66	ND	25	ND	ND	92
10/12/2006	6J16007-02RE1	8260	ND	ND	ND	ND	ND	ND	55	ND	23	ND	2	80
01/10/2007	7A11003-06	8260	ND	ND	ND	ND	ND	ND	56	ND	23	ND	2	81
04/05/2007	7D06002-03	8260	ND	ND	ND	ND	ND	ND	41	ND	20	ND	ND	61
07/18/2007	7G19011-01	8260	ND	ND	ND	ND	ND	1	58	ND	32	ND	ND	91
10/11/2007	7J12012-05	8260	ND	ND	ND	ND	ND	ND	36	ND	21	ND	ND	57
01/09/2008	8A10002-04	8260	ND	ND	ND	ND	ND	ND	63	ND	29	ND	3	95
04/08/2008	8D09003-01	8260	ND	ND	ND	ND	2 B	ND	39	ND	12	ND	ND	53
07/25/2008	5426024	8260	ND	ND	ND	ND	ND	0.88 J	48	ND	21	ND	ND	69.88
10/14/2008	5498683	8260	ND	ND	ND	ND	ND	ND	46	ND	25	ND	ND	71
01/21/2009	5582432	8260	ND	ND	ND	ND	ND	ND	54	ND	19	ND	1.4 J	74.4
04/20/2009	5651169	8260	ND	ND	ND	ND	ND	1 J	64	ND	23	ND	2 J	90
07/13/2009	5722288	8260	ND	ND	ND	ND	ND	ND	50	ND	20	ND	ND	70

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/06/2009	5799015	8260	ND	ND	ND	ND	ND	ND	41	ND	17	ND	ND	58
01/21/2010	5889954	8260	ND	ND	ND	ND	ND	0.99 J	59	ND	24	ND	ND	83.99
04/07/2010	5948418	8260	ND	ND	ND	ND	ND	0.93 J	41	ND	19	ND	ND	60.93
07/15/2010	6033917	8260	ND	ND	ND	ND	ND	1.1 J	51	ND	30	ND	ND	82.1
10/19/2010	6116888	8260	ND	ND	ND	ND	ND	ND	37	ND	27	ND	ND	64
01/26/2011	6192957	8260	ND	ND	ND	ND	ND	ND	44	ND	23	ND	1 J	68
04/14/2011	6259036	8260	ND	ND	ND	ND	ND	0.95 J	47	ND	20	ND	ND	67.95
07/25/2011	6355559	8260	ND	ND	1.1 J	ND	ND	1.1 J	51	ND	28	ND	2 J	83.2

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035106	8021	ND	ND	ND	ND	ND	0.21 J	4.5	ND	8.7	ND	ND	13.41
04/19/2001	A1361308	624	ND	ND	ND	ND	ND	ND	ND	ND	0.32	ND	ND	0.32
07/10/2001	A1648711	8021	ND	ND	ND	ND	ND	ND	0.84 J	ND	2.6	ND	ND	3.44
10/18/2001	A1A23312	8021	ND	ND	ND	ND	ND	ND	11	ND	97	ND	ND	108
01/24/2002	A2076707	8021	ND	ND	ND	ND	1.9 J	ND	ND	ND	5.9	ND	ND	7.8
04/15/2002	A2370202	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	2.4
07/16/2002	A2722906	8021	ND	ND	ND	ND	ND	ND	0.31 J	ND	2	ND	ND	2.31
10/08/2002	A2999101	8021	ND	ND	ND	ND	ND	ND	0.27 J	ND	2.4	ND	ND	2.67
01/23/2003	A3075201	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	1.7
04/25/2003	A3389603	8021	ND	ND	ND	ND	ND	ND	0.61 J	ND	2.8	ND	ND	3.41
07/21/2003	A3699404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	2.6	ND	ND	3.8
10/22/2003	A3A21903	8021	ND	ND	ND	ND	ND	ND	5.4	ND	7.4	ND	ND	12.8
01/21/2004	A4053401	8021	ND	ND	ND	ND	ND	ND	2.3	ND	8.5	ND	ND	10.8
04/29/2004	A4402502	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.6	ND	ND	3.6
07/16/2004	A4674301	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	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
07/18/2006	6G19003-03	8260	ND	ND	ND	ND	4 B	ND	7	ND	7	ND	ND	18
10/11/2006	6J12003-06RE1	8260	ND	ND	ND	ND	ND	ND	3	ND	4	ND	ND	7
01/09/2007	7A10006-04	8260	ND	ND	ND	ND	ND	ND	2	ND	7	ND	ND	9
04/17/2007	7D18003-01	8260	ND	ND	ND	ND	ND	ND	2	ND	5	ND	ND	7
07/16/2007	7G17015-07	8260	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
10/15/2007	7J16003-01	8260	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-01	8260	ND	ND	ND	ND	ND	ND	4	ND	14	ND	ND	18
04/15/2008	8D16011-02	8260	ND	ND	ND	ND	5 B	ND	ND	ND	3	ND	ND	8
07/24/2008	5424626	8260	ND	ND	ND	ND	ND	ND	0.9 J	ND	4.1 J	ND	ND	5
10/16/2008	5501559	8260	ND	ND	ND	ND	ND	ND	0.87 J	ND	3 J	ND	ND	3.87
01/21/2009	5582425	8260	ND	ND	ND	ND	ND	ND	0.86 J	ND	2.5 J	ND	ND	3.36
04/16/2009	5649168	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	4.1 J	ND	ND	5.8
07/07/2009	5718467	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	3 J	ND	ND	4.4

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/07/2009	5800391	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2 J	ND	ND	3
01/25/2010	5892341	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	5.9	ND	ND	8.3
04/15/2010	5955535	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	5.1	ND	ND	6.8
07/15/2010	6033921	8260	ND	ND	ND	ND	ND	ND	1.9 J	ND	4.4 J	ND	ND	6.3
10/18/2010	6115531	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	3.8 J	ND	ND	5.5
01/24/2011	6190817	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	3.6 J	ND	ND	4.9
04/20/2011	6264712	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	1.8
07/20/2011	6352281	8260	ND	ND	ND	ND	ND	ND	0.88 J	ND	2.2 J	ND	ND	3.08

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/11/2001	A1035107	8021	ND	ND	ND	ND	ND	1.1	5.6	ND	ND	ND	1.5 J	8.2
04/19/2001	A1361306	624	ND	ND	ND	ND	ND	ND	0.97	ND	ND	ND	ND	0.97
07/10/2001	A1648710	8021	ND	ND	ND	ND	ND	0.26 J	3.2	ND	ND	ND	0.28 J	3.74
10/18/2001	A1A23311	8021	ND	ND	ND	ND	ND	ND	3.3	ND	41	ND	ND	44.3
01/22/2002	A2066012RE	8021	ND	ND	ND	ND	ND	ND	5.1	ND	ND	ND	1.4 J	6.5
04/12/2002	A2351801	8021	ND	ND	ND	ND	ND	0.6 J	6	ND	ND	ND	0.87 J	7.47
07/12/2002	A2713907	8021	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
10/08/2002	A2999308	8021	ND	ND	ND	ND	ND	0.7 J	6.9	ND	0.58 J	ND	1 J	9.18
01/20/2003	A3060804	8021	ND	ND	ND	ND	ND	0.43 J	4.5	ND	0.29 J	ND	0.75 J	5.97
04/25/2003	A3389401	8021	ND	ND	ND	ND	ND	0.48 J	4.4	ND	ND	ND	0.58 J	5.46
07/17/2003	A3683703	8021	ND	ND	ND	ND	ND	0.38 J	3.8	ND	ND	ND	0.22 J	4.4
10/17/2003	A3A09004	8021	ND	ND	ND	ND	ND	ND	3.4	ND	ND	ND	ND	3.4
01/20/2004	A4053202	8021	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	ND	3.1
04/29/2004	A4402401	8021	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
07/16/2004	A4674201	8260	ND	ND	ND	ND	ND	0.58 J	2.9	ND	ND	ND	ND	3.48
07/16/2004	A4674201	8021	ND	ND	ND	ND	ND	ND	3 E	ND	ND	ND	ND	3
10/12/2004	A4A09702	8021	ND	ND	ND	ND	ND	0.53 J	6.1	ND	ND	ND	ND	6.63
01/12/2005	A5036203	8260	ND	ND	ND	ND	ND	0.62 J	4.8	ND	0.38 J	ND	ND	5.8
04/26/2005	A5414301	8260	ND	ND	ND	ND	ND	0.6 J	4.3	ND	0.3 J	ND	ND	5.2
07/26/2005	A5791602	8260/5ML	ND	ND	ND	ND	ND	ND	2.1	ND	ND	ND	ND	2.1
10/21/2005	A5B92602	8260	ND	ND	ND	ND	ND	0.73 J	4.8	ND	0.91 J	ND	ND	6.44
01/27/2006	A6102501	8260	ND	ND	ND	ND	ND	0.64 J	5.4	ND	1.6	ND	ND	7.64
04/20/2006	6D21003-04	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
07/18/2006	6G19003-04	8260	ND	ND	ND	ND	5 B	ND	4	ND	1	ND	ND	10
10/11/2006	6J12003-05	8260	ND	ND	ND	ND	ND	ND	5	ND	2	ND	ND	7
01/05/2007	7A05012-04	8260	ND	ND	ND	ND	3 B	ND	6	ND	3	ND	ND	12
04/17/2007	7D18003-02	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
07/16/2007	7G17015-10	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
10/15/2007	7J16003-02	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
01/09/2008	8A10002-06	8260	ND	ND	ND	ND	ND	ND	4	ND	2	ND	ND	6
04/15/2008	8D16011-03	8260	ND	ND	ND	ND	4 B	ND	4	ND	3	ND	ND	11
07/23/2008	5423261	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.6 J	ND	ND	4.7
10/16/2008	5501558	8260	ND	ND	ND	ND	ND	ND	6.1	ND	3.2 J	ND	ND	9.3
01/21/2009	5582426	8260	ND	ND	ND	ND	ND	ND	5.9	ND	2.9 J	ND	ND	8.8
04/16/2009	5649167	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.5 J	ND	ND	6.4
07/07/2009	5718466	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	1.7 J	ND	ND	4.4
10/07/2009	5800392	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.6 J	ND	ND	4.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892342	8260	ND	ND	ND	ND	ND	ND	4.1 J	ND	2.6 J	ND	ND	6.7
04/15/2010	5955536	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	2.7 J	ND	ND	6.6
07/19/2010	6036148	8260	ND	ND	ND	ND	ND	ND	3.7 J	ND	2.5 J	ND	ND	6.2
10/18/2010	6115534	8260	ND	ND	ND	ND	ND	ND	4.4 J	ND	2 J	ND	ND	6.4
01/24/2011	6190816	8260	ND	ND	ND	ND	ND	ND	6.6	ND	4.2 J	ND	ND	10.8
04/20/2011	6264714	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	1.7 J	ND	ND	4.5
07/20/2011	6352282	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	2 J	ND	ND	5.4

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- 1) Nondetected concentrations have been represented as ND for reporting purposes.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035108	8021	ND	ND	ND	ND	ND	1.3	3.1	ND	0.37 J	ND	ND	4.77
04/19/2001	A1361312	624	ND	ND	ND	ND	ND	ND	0.45	ND	ND	ND	ND	0.45
07/10/2001	A1648709	8021	ND	ND	ND	ND	ND	0.55 J	1.6	ND	0.38 J	ND	ND	2.53
10/18/2001	A1A23308	8021	ND	ND	ND	ND	ND	ND	ND	ND	100	ND	ND	100
01/23/2002	A2076802RI	8021	ND	ND	ND	ND	3.5	ND	ND	ND	ND	ND	ND	3.5
04/15/2002	A2370101	8021	ND	ND	ND	ND	ND	ND	1.8	ND	1 J	ND	ND	2.8
07/15/2002	A2723101	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.47 J	ND	ND	1.67
10/08/2002	A2999207	8021	ND	ND	ND	ND	ND	0.38 J	1.4	ND	0.84 J	ND	ND	2.62
01/21/2003	A3069004	8021	ND	ND	ND	ND	ND	0.44 J	1.5	ND	0.81 J	ND	ND	2.75
04/28/2003	A3399801	8021	ND	ND	ND	ND	ND	0.57 J	2.3	ND	ND	ND	ND	2.87
07/17/2003	A3683705	8021	ND	ND	ND	ND	ND	0.52 J	2.3	ND	0.65 J	ND	ND	3.47
10/17/2003	A3A09005	8021	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.7
01/21/2004	A4053204	8021	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	2.4
04/30/2004	A4402402	8021	ND	ND	ND	ND	ND	1.2	3.1	ND	ND	ND	ND	4.3
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
07/16/2004	A4674202	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	8260	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
07/18/2006	6G19003-02	8260	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
10/12/2006	6J16007-01RE1	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2007	7A10006-07	8260	ND	ND	ND	ND	ND	ND	4	ND	1	ND	ND	5
04/17/2007	7D18003-03	8260	ND	ND	ND	ND	ND	ND	5	ND	ND	ND	ND	5
07/16/2007	7G17015-09	8260	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	4
10/15/2007	7J16003-03	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
01/09/2008	8A10002-05	8260	ND	ND	ND	ND	ND	ND	3	ND	ND	ND	ND	3
04/16/2008	8D16026-01	8260	ND	ND	ND	ND	4 B	ND	5	ND	ND	ND	ND	9
07/16/2008	5417443	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	ND	ND	ND	2.5
10/16/2008	5501557	8260	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	4.6
01/21/2009	5582427	8260	ND	ND	ND	ND	ND	ND	5.9	ND	ND	ND	1.5 J	7.4
04/16/2009	5649169	8260	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	1.4 J	8.2
07/07/2009	5718464	8260	ND	ND	ND	ND	ND	ND	4.3 J	ND	ND	ND	ND	4.3
10/07/2009	5800393	8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	3.3

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/25/2010	5892343	8260	ND	ND	ND	ND	ND	ND	5.4	ND	ND	ND	ND	5.4
04/15/2010	5955537	8260	ND	ND	ND	ND	ND	ND	6	ND	ND	ND	1.8 J	7.8
07/19/2010	6036149	8260	ND	ND	ND	ND	ND	ND	4.1 J	ND	ND	ND	ND	4.1
10/18/2010	6115535	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	3.1
01/24/2011	6190821	8260	ND	ND	ND	ND	ND	ND	3.8 J	ND	ND	ND	ND	3.8
04/20/2011	6264717	8260	ND	ND	ND	ND	ND	ND	7.4	ND	ND	ND	2.9 J	10.3
07/20/2011	6352283	8260	ND	ND	ND	ND	ND	ND	4.9 J	ND	ND	ND	ND	4.9

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035114	8021	ND	ND	ND	ND	2.1 J	1.2	51	ND	23	ND	ND	77.3
04/20/2001	A1366404	624	ND	ND	ND	ND	ND	ND	39	ND	380 D	ND	ND	419
07/11/2001	A1648704	8021	ND	ND	0.27 J	ND	ND	1.4	45	ND	14	ND	9.4	70.07
10/17/2001	A1A23307	8021	ND	ND	ND	ND	ND	0.4 J	12	ND	3	ND	ND	15.4
11/12/2001	A1B23801	8021	ND	ND	ND	ND	ND	0.56 J	8	ND	4	ND	ND	12.56
01/24/2002	A2076710	8021	ND	ND	ND	ND	ND	0.5 J	8.2	ND	4.8	ND	0.44 J	13.94
04/18/2002	A2378803	8021	ND	ND	ND	ND	ND	0.43 J	4.2	ND	4.1	ND	ND	8.73
07/16/2002	A2722908	8021	ND	ND	ND	ND	ND	0.6 J	8.2	ND	3.9	ND	ND	12.7
10/11/2002	A2A14401	8021	ND	ND	ND	ND	ND	1.5	16	ND	6	ND	ND	23.5
01/23/2003	A3075204	8021	ND	ND	ND	ND	ND	ND	8.9	ND	12	ND	ND	20.9
04/23/2003	A3376302	8021	ND	ND	ND	ND	ND	1.2	12	ND	6.9	ND	0.67 J	20.77
07/22/2003	A3699405	8021	ND	ND	ND	ND	ND	1	15	ND	5.2	ND	ND	21.2
10/22/2003	A3A28303	8021	ND	ND	ND	ND	ND	2	28	ND	8.2	ND	1.4 J	39.6
01/21/2004	A4053402	8021	ND	ND	ND	ND	ND	ND	11	ND	6.9	ND	ND	17.9
04/28/2004	A4387603	8021	ND	ND	ND	ND	ND	1.1	10	ND	4.9	ND	ND	16
07/09/2004	A4647101	8021	ND	ND	ND	ND	ND	1	8.5	ND	4.3	ND	ND	13.8
10/08/2004	A4994202	8021	ND	ND	ND	ND	ND	ND	6.2	ND	3.5	ND	ND	9.7
01/18/2005	A5051101	8260	ND	ND	ND	ND	ND	0.34 J	2.6	ND	2.6	ND	ND	5.54
04/26/2005	A5414403	8260	ND	ND	ND	ND	ND	0.43 J	5.1	ND	3.6	ND	ND	9.13
07/26/2005	A5791701	8260/5ML	ND	ND	ND	ND	ND	1	8.2	ND	3.9	ND	ND	13.1
10/20/2005	A5B92005	8260	ND	ND	ND	ND	ND	1.5	13	ND	5.9	ND	2.2	22.6
01/24/2006	A6089108	8260	ND	ND	ND	ND	ND	ND	4.1	ND	2.9	ND	ND	7
04/19/2006	6D20002-05	8260	ND	ND	ND	ND	ND	ND	6	ND	4	ND	ND	10
07/18/2006	6G19003-08	8260	ND	ND	ND	ND	5 B	ND	7	ND	3	ND	ND	15
10/11/2006	6J12003-03	8260	ND	ND	ND	ND	ND	1	10	ND	4	ND	ND	15
01/10/2007	7A11003-01	8260	ND	ND	ND	ND	ND	ND	3	ND	2	ND	ND	5
04/16/2007	7D17002-01	8260	ND	ND	ND	ND	ND	ND	5	ND	3	ND	ND	8
07/16/2007	7G17015-02	8260	ND	ND	ND	ND	2	ND	3	ND	2	ND	ND	7
10/09/2007	7J10006-09	8260	ND	ND	ND	ND	ND	ND	4	ND	3	ND	ND	7
01/14/2008	8A15002-02	8260	ND	ND	ND	ND	ND	ND	8	ND	4	ND	ND	12
04/14/2008	8D15002-01	8260	ND	ND	ND	ND	2 B	ND	6	ND	3	ND	ND	11
07/23/2008	5423257	8260	ND	ND	ND	ND	ND	0.81 J	6.8	ND	2.4 J	ND	ND	10.01
10/16/2008	5501561	8260	ND	ND	ND	ND	ND	ND	16	ND	31	ND	ND	47
01/21/2009	5582431	8260	ND	ND	ND	ND	ND	ND	6.8	ND	5 J	ND	ND	11.8
04/15/2009	5647725	8260	ND	ND	ND	ND	ND	1.3 J	11	ND	3.7 J	ND	ND	16
07/07/2009	5718476	8260	ND	ND	ND	ND	ND	0.98 J	7.8	ND	2.7 J	ND	ND	11.48
10/07/2009	5800382	8260	ND	ND	ND	ND	ND	ND	6.8	ND	2.6 J	ND	ND	9.4

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888920	8260	ND	ND	ND	ND	ND	0.81 J	8.3	ND	2.6 J	ND	ND	11.71
04/13/2010	5953085	8260	ND	ND	ND	ND	ND	1.6 J	14	ND	3.7 J	ND	ND	19.3
07/14/2010	6032685	8260	ND	ND	ND	ND	ND	1 J	9.1	ND	2.6 J	ND	ND	12.7
10/14/2010	6113373	8260	ND	ND	ND	ND	ND	ND	6.9	ND	2 J	ND	ND	8.9
01/25/2011	6191892	8260	ND	ND	ND	ND	ND	1.1 J	10	ND	2.7 J	ND	ND	13.8
04/19/2011	6263086	8260	ND	ND	ND	ND	ND	1.2 J	10	ND	3.8 J	ND	ND	15
07/13/2011	6343977	8260	ND	ND	ND	ND	ND	ND	6.9	ND	2.6 J	ND	ND	9.5

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035113	8021	ND	ND	1.4	ND	ND	ND	34	ND	4.5	ND	2.7	42.6
04/20/2001	A1366405	624	ND	ND	ND	ND	ND	ND	4.6	ND	2.9	ND	ND	7.5
07/11/2001	A1648701	8021	ND	ND	0.35 J	ND	ND	ND	2.1	ND	0.83 J	ND	0.3 J	3.58
11/12/2001	A1B23802	8021	ND	ND	ND	ND	ND	ND	14	ND	6.4	ND	0.37 J	20.77
01/21/2002	A2066007	8021	ND	ND	ND	ND	ND	0.61 J	13	ND	6.1	ND	ND	19.71
04/11/2002	A2348302	8021	ND	ND	ND	ND	ND	0.61 J	11	ND	6.3	ND	ND	17.91
07/11/2002	A2708317	8021	ND	ND	ND	ND	ND	ND	10	ND	5.4	ND	ND	15.4
10/08/2002	A2999303	8021	ND	ND	ND	ND	ND	0.38 J	6	ND	4.3	ND	0.29 J	10.97
01/16/2003	A3055804	8021	ND	ND	0.29 J	ND	ND	0.4 J	6.3	ND	3.4	ND	1.2 J	11.59
04/29/2003	A3398701	8021	ND	ND	ND	ND	ND	ND	3.8	ND	2.4	ND	0.34 J	6.54
07/17/2003	A3683706	8021	ND	ND	ND	ND	ND	ND	2.1	ND	1.1 J	ND	ND	3.2
10/16/2003	A3A09002	8021	ND	ND	ND	ND	ND	ND	3.7	ND	8.1	ND	ND	11.8
01/20/2004	A4053201	8021	ND	ND	ND	ND	ND	ND	10	ND	8.9	ND	ND	18.9
04/28/2004	A4387602	8021	ND	ND	ND	ND	ND	ND	2	ND	1.4	ND	ND	3.4
07/09/2004	A4647301	8021	ND	ND	ND	ND	ND	ND	4.3	ND	8.2	ND	ND	12.5
10/07/2004	A4994505	8021	ND	ND	ND	ND	ND	ND	7.4	ND	36	ND	ND	43.4
01/18/2005	A5051001	8260	ND	ND	ND	ND	ND	0.82 J	8.9	ND	5.5	ND	1.5 J	16.72
04/21/2005	A5402202	8260	ND	ND	ND	ND	ND	0.83 J	10	ND	40 E	ND	ND	50.83
04/21/2005	A5402202DL	8260	ND	ND	ND	ND	ND	0.69 DJ	8.6 D	ND	34 D	ND	ND	43.29
07/26/2005	A5791702	8260/5ML	ND	ND	ND	ND	ND	1.6	17	ND	79	ND	ND	97.6
10/20/2005	A5B91801	8260	ND	ND	ND	ND	ND	0.64 J	6	ND	6.8	ND	1.3 J	14.74
01/26/2006	A6102402	8260	ND	ND	ND	ND	ND	0.74 J	12	ND	4.6	ND	3.8	21.14
04/20/2006	6D21003-01	8260	ND	ND	ND	ND	ND	ND	12	ND	3	ND	3	18
07/18/2006	6G19003-07	8260	ND	ND	ND	ND	4 B	ND	8	ND	4	ND	ND	16
10/11/2006	6J12003-02	8260	ND	ND	ND	ND	ND	1	12	ND	36	ND	ND	49
01/10/2007	7A11003-02	8260	ND	ND	ND	ND	ND	ND	12	ND	5	ND	4	21
04/16/2007	7D17002-02	8260	ND	ND	ND	ND	ND	ND	9	ND	2	ND	ND	11
07/16/2007	7G17015-03	8260	ND	ND	ND	ND	ND	ND	9	ND	2	ND	3	14
10/10/2007	7J11002-07	8260	ND	ND	ND	ND	ND	ND	8	ND	3	ND	2	13
01/14/2008	8A15002-03	8260	ND	ND	ND	ND	ND	ND	9	ND	2	ND	2	13
04/14/2008	8D15002-02	8260	ND	ND	ND	ND	3 B	ND	5	ND	ND	ND	ND	8
07/23/2008	5423258	8260	ND	ND	ND	ND	ND	ND	8.5	ND	2.3 J	ND	2.6 J	13.4
10/16/2008	5501560	8260	ND	ND	ND	ND	ND	ND	10	ND	2.8 J	ND	3.1 J	15.9
01/15/2009	5578617	8260	ND	ND	ND	ND	ND	ND	9.1	ND	5.3	ND	2.5 J	16.9
04/15/2009	5647721	8260	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	2.2 J	9.4
07/07/2009	5718475	8260	ND	ND	ND	ND	ND	ND	8.4	ND	2 J	ND	2.6 J	13
10/07/2009	5800384	8260	ND	ND	ND	ND	ND	ND	7.7	ND	2.7 J	ND	2.1 J	12.5

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/20/2010	5888917	8260	ND	ND	ND	ND	ND	ND	6	ND	1.7 J	ND	1.5 J	9.2
04/13/2010	5953084	8260	ND	ND	ND	ND	ND	ND	5.9	ND	2.6 J	ND	ND	8.5
07/14/2010	6032683	8260	ND	ND	ND	ND	ND	ND	9.9	ND	2.8 J	ND	3 J	15.7
10/12/2010	6109758	8260	ND	ND	ND	ND	ND	ND	9.4	ND	3.3 J	ND	2.6 J	15.3
01/25/2011	6191891	8260	ND	ND	ND	ND	ND	ND	9.8	ND	3.1 J	ND	2.7 J	15.6
04/19/2011	6263085	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	ND	ND	ND	3.1
07/13/2011	6343976	8260	ND	ND	ND	ND	ND	ND	11	ND	3.8 J	ND	5.1	19.9

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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2001	A1041307	8021	ND	ND	7.6	1.2	ND	1.1	38	1.9	8	ND	15	72.8
04/25/2001	A1382101	8021	ND	ND	6	ND	ND	0.25 J	33	0.4 J	4.3	ND	7.7	51.65
07/11/2001	A1648703	8021	ND	ND	4.5	ND	ND	ND	23	ND	3	ND	2.4	32.9
11/12/2001	A1B23803	8021	ND	ND	6.1	ND	ND	ND	33	ND	27	ND	4.5	70.6
01/22/2002	A2066013	8021	ND	ND	ND	ND	14	ND	22	ND	ND	ND	ND	36
04/12/2002	A2351802	8021	ND	ND	7.6	ND	ND	ND	33	ND	5.9	ND	5.6	52.1
07/15/2002	A2723103	8021	ND	ND	7.8	ND	ND	ND	28	ND	5.5	ND	4.4	45.7
10/09/2002	A2A07501	8021	ND	ND	9.2	ND	ND	ND	49	0.76 J	10	ND	15	83.96
01/21/2003	A3069001	8021	ND	0.54 J	7.4	ND	ND	ND	25	ND	5.5	ND	4.9	43.34
04/29/2003	A3398702	8021	ND	ND	11	ND	ND	ND	44	0.79 J	10	ND	27	92.79
07/17/2003	A3683704	8021	ND	ND	8.3	ND	ND	ND	36	0.45 J	4.8	ND	13	62.55
10/17/2003	A3A09003	8021	ND	ND	8.4	ND	ND	ND	26	ND	1.6	ND	20	56
01/20/2004	A4053203	8021	ND	ND	9.1	ND	ND	ND	15	ND	1.9	ND	9.7	35.7
04/28/2004	A4387601	8021	ND	ND	8.5	ND	ND	ND	27	ND	3.2	ND	23	61.7
07/09/2004	A4647302	8021	ND	ND	8	ND	ND	ND	15	ND	1.6	ND	19	43.6
10/07/2004	A4994504	8021	ND	ND	6.3	ND	ND	ND	5	ND	2.4	ND	5.6	19.3
01/18/2005	A5051002	8260	ND	ND	8.1	ND	ND	0.34 J	9.1	0.25 J	2.4	ND	4.9	25.09
04/21/2005	A5402201	8260	ND	ND	7.3	ND	ND	0.47 J	21	0.49 J	5.8	ND	15	50.06
07/22/2005	A5778502	8260/5ML	ND	ND	5.9	ND	ND	ND	14	ND	3.6	ND	5.5	29
10/21/2005	A5B92604	8260	ND	ND	8.7	ND	ND	ND	9.1	ND	3.7	ND	6.6	28.1
01/26/2006	A6102403	8260	ND	ND	9.1	ND	ND	0.63 J	16	0.65 J	8.1	ND	16	50.48
04/20/2006	6D21003-02	8260	ND	ND	7	ND	ND	ND	7	ND	2	ND	8	24
07/18/2006	6G19003-06	8260	ND	ND	7	ND	11 B	ND	8	ND	3	ND	5	34
10/11/2006	6J12003-04	8260	ND	ND	8	ND	ND	ND	12	ND	6	ND	9	35
01/10/2007	7A11003-03	8260	ND	ND	6	ND	ND	ND	5	ND	10	ND	6	27
04/17/2007	7D18003-04	8260	ND	ND	5	ND	ND	ND	1	ND	ND	ND	3	9
07/16/2007	7G17015-04	8260	ND	ND	7	ND	ND	ND	8	ND	5	ND	7	27
10/10/2007	7J11002-08	8260	ND	ND	6	ND	ND	ND	7	ND	4	ND	4	21
01/14/2008	8A15002-04	8260	ND	ND	7	ND	ND	ND	9	ND	5	ND	6	27
04/15/2008	8D16011-01	8260	ND	ND	5	ND	4 B	ND	4	ND	2	ND	4	19
07/28/2008	5426819	8260	ND	ND	7.7	ND	ND	ND	8.1	ND	5.2	ND	7.2	28.2
10/16/2008	5501564	8260	ND	ND	9.6	ND	ND	ND	11	ND	6.7	ND	7.5	34.8
01/15/2009	5578616	8260	ND	ND	8.3	ND	ND	ND	8.9	ND	7.4	ND	6.3	30.9
04/15/2009	5647726	8260	ND	ND	7	ND	ND	ND	5.8	ND	4.4 J	ND	5 J	22.2
07/07/2009	5718477	8260	ND	ND	8.6	ND	ND	ND	9.5	ND	5.7	ND	6.9	30.7
10/07/2009	5800386	8260	ND	ND	9	ND	ND	ND	9.3	ND	5.7	ND	9.1	33.1
01/20/2010	5888916	8260	ND	ND	10	ND	ND	ND	11	ND	6.8	ND	7.3	35.1

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/12/2010	5951991	8260	ND	ND	7	ND	ND	ND	5.7	ND	3.4 J	ND	6	22.1
07/14/2010	6032684	8260	ND	ND	9.3	ND	ND	ND	10	ND	5.6	ND	6.9	31.8
10/12/2010	6109757	8260	ND	ND	11	ND	ND	ND	11	ND	6.3	ND	7.9	36.2
01/25/2011	6191893	8260	ND	ND	8.8	ND	ND	ND	10	ND	5.5	ND	7.1	31.4
04/19/2011	6263084	8260	ND	ND	6.7	ND	ND	ND	2.8 J	ND	1.5 J	ND	4.3 J	15.3
07/13/2011	6343973	8260	ND	ND	11	ND	ND	ND	12	ND	5.9	ND	7.1	36

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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-45M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052404	8021	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	1
04/18/2001	A1361301	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2001	A1682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039404	8021	ND	ND	ND	ND	ND	0.72 J	7.3	ND	0.66 J	ND	0.24 J	8.92
04/08/2002	A2332604	8260	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
07/08/2002	A2695504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980606	8021	ND	ND	ND	ND	ND	ND	0.21 J	ND	0.67 J	ND	ND	0.88
01/13/2003	A3038007	8021	ND	ND	ND	ND	ND	ND	1.6	ND	0.67 J	ND	ND	2.27
04/08/2003	A3329702	8021	ND	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.2
07/03/2003	A3639718	8021	ND	ND	ND	ND	ND	ND	8.8	ND	66 E	ND	ND	74.8
07/03/2003	A3639718RE	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47804	8021	ND	ND	ND	ND	ND	ND	1.3	ND	ND	ND	ND	1.3
01/13/2005	A5036406	8260	ND	ND	ND	ND	ND	ND	0.86 J	ND	0.7 J	ND	ND	1.56
04/05/2005	A5317608	8260	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	ND	ND	0.35
07/12/2005	A5733103	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2006	6G21005-02	8260	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/10/2007	7G11015-10	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/25/2008	5426026	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.3 J	ND	ND	1.3
07/14/2009	5723627	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2010	6031613	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350146	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-46M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052405	8021	ND	0.62 J	ND	ND	1.4 J	2.3	54	ND	2.8	ND	3.2	64.32
04/18/2001	A1361304	624	ND	ND	ND	ND	ND	ND	5.8	ND	0.26	ND	ND	6.06
07/18/2001	A1682905	8021	ND	ND	ND	ND	ND	0.32 J	29	ND	1.7	ND	0.61 J	31.63
10/12/2001	A1A01004	8021	ND	ND	ND	ND	ND	0.46 J	41	ND	1.1 J	ND	2.3	44.86
01/15/2002	A2039405	8021	ND	ND	ND	ND	ND	0.46 J	31	ND	1.3	ND	1.7 J	34.46
04/09/2002	A2332611	8260	ND	ND	0.28 J	0.23 J	ND	0.88 J	62 D	ND	2.7	ND	1.8	67.89
07/09/2002	A2695508	8021	ND	ND	ND	ND	ND	ND	52	ND	ND	ND	ND	52
10/03/2002	A2980608	8021	ND	ND	ND	ND	ND	ND	120	ND	6.6	ND	3.3	129.9
01/14/2003	A3043003	8021	ND	ND	ND	ND	ND	1.1	58	ND	3.4	ND	2.9	65.4
04/08/2003	A3329705	8021	ND	ND	ND	ND	ND	ND	12	ND	0.44 J	ND	0.52 J	12.96
07/02/2003	A3639701	8021	ND	ND	ND	ND	ND	ND	36	ND	ND	ND	1.4 J	37.4
10/09/2003	A3978812	8021	ND	ND	ND	ND	ND	ND	150	ND	5.1	ND	3.8	158.9
01/08/2004	A4026306	8021	ND	ND	ND	ND	ND	ND	23	ND	1.5	ND	1.1 J	25.6
04/13/2004	A4331506	8021	ND	ND	ND	ND	ND	ND	82	ND	6.9	ND	2.5	91.4
06/30/2004	A4619405	8021	ND	ND	1.3	ND	ND	2.6	120	ND	8.7	ND	6.4	139
10/22/2004	A4A47805	8021	ND	ND	0.67 J	ND	ND	1.7	130 D	ND	9.2	ND	4.1	147.37
01/13/2005	A5036407	8260	ND	ND	ND	ND	ND	1.8	100	ND	11	ND	5.4	118.2
04/05/2005	A5317609	8260	ND	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	1.8
07/12/2005	A5733104	8260/5ML	ND	ND	0.57 J	ND	ND	1.6	82	ND	8.2	ND	5.6	97.97
07/20/2006	6G21005-01	8260	ND	ND	ND	ND	3	1	59	ND	7	ND	4	74
07/10/2007	7G11015-11RE1	8260	ND	ND	ND	ND	ND	ND	33	ND	5	ND	2	40
07/25/2008	5426034	8260	ND	ND	ND	ND	ND	ND	18	ND	1.2 J	ND	2.7 J	21.9
07/14/2009	5723629	8260	ND	ND	ND	ND	ND	ND	28	ND	4.3 J	ND	3.2 J	35.5
07/13/2010	6031617	8260	ND	ND	ND	ND	ND	ND	29	ND	7.7	ND	2.7 J	39.4
07/19/2011	6350138	8260	ND	ND	ND	ND	ND	ND	38	ND	8.9	ND	3 J	49.9

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041306	8021	ND	ND	ND	ND	ND	5.8	77	ND	31	ND	18	131.8
04/25/2001	A1382104	8021	ND	ND	ND	ND	ND	ND	10	ND	37	ND	ND	47
07/11/2001	A1648712	8021	ND	0.84 J	ND	ND	1.2 J	2.6	90	ND	9.6	ND	25	129.24
10/17/2001	A1A23302	8021	ND	ND	ND	ND	3.1	ND	13	ND	170	ND	ND	186.1
01/24/2002	A2076709	8021	ND	ND	ND	ND	ND	0.63 J	9.7	ND	15	ND	ND	25.33
04/15/2002	A2370204	8021	ND	ND	ND	ND	ND	0.46 J	7.8	ND	22	ND	ND	30.26
07/16/2002	A2722917	8021	ND	ND	ND	ND	ND	0.53 J	8.2	ND	25	ND	ND	33.73
10/09/2002	A2A07505	8021	ND	ND	ND	ND	ND	ND	8.2	ND	17	ND	ND	25.2
01/23/2003	A3075203	8021	ND	ND	ND	ND	ND	ND	7.9	ND	15	ND	ND	22.9
04/28/2003	A3399701	8021	ND	ND	ND	ND	ND	1	16	ND	20	ND	0.55 J	37.55
07/18/2003	A3689002	8021	ND	ND	ND	ND	ND	0.67 J	12	ND	13	ND	ND	25.67
10/22/2003	A3A28304	8021	ND	ND	ND	ND	ND	ND	10	ND	13	ND	ND	23
01/22/2004	A4057103	8021	ND	ND	ND	ND	ND	ND	3	ND	6.5	ND	ND	9.5
04/27/2004	A4387502	8021	ND	ND	ND	ND	ND	ND	3.2	ND	8.5	ND	ND	11.7
07/13/2004	A4663802	8021	ND	ND	ND	ND	ND	ND	2.6	ND	6.7	ND	ND	9.3
10/13/2004	A4A09401	8021	ND	ND	ND	ND	ND	ND	4.1	ND	6.6	ND	ND	10.7
01/12/2005	A5036102	8260	ND	ND	ND	ND	ND	ND	1.4	ND	5	ND	ND	6.4
04/21/2005	A5402002	8260	ND	ND	ND	ND	ND	ND	1	ND	4.6	ND	ND	5.6
07/21/2005	A5768402	8260/5ML	ND	ND	ND	ND	ND	ND	1.6	ND	5.6	ND	ND	7.2
10/20/2005	A5B92002	8260	ND	ND	ND	ND	ND	ND	2.3	ND	6.1	ND	ND	8.4
01/24/2006	A6089114	8260	ND	ND	ND	ND	ND	ND	0.79 J	ND	2.2	ND	ND	2.99
04/18/2006	6D19002-01	8260	ND	ND	ND	ND	2	ND	ND	ND	3	ND	ND	5
07/21/2006	6G21018-01	8260	ND	ND	ND	ND	ND	ND	2	ND	4	ND	ND	6
10/12/2006	6J16007-03RE1	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
01/05/2007	7A05012-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
04/11/2007	7D12002-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/12/2007	7G13019-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2
10/11/2007	7J12012-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
01/08/2008	8A09005-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	3	ND	ND	3
07/24/2008	5424628	8260	ND	ND	ND	ND	ND	ND	0.95 J	ND	2.9 J	ND	ND	3.85
10/15/2008	5499971	8260	ND	ND	ND	ND	ND	ND	1.4 J	ND	2.9 J	ND	ND	4.3
01/14/2009	5577591	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	2.7 J	ND	ND	4
04/14/2009	5646767	8260	ND	ND	ND	ND	ND	ND	1 J	ND	2.9 J	ND	ND	3.9
07/09/2009	5720681	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	2.4 J	ND	ND	3.5
10/05/2009	5797960	8260	ND	ND	ND	ND	ND	ND	0.91 J	ND	2.3 J	ND	ND	3.21
01/21/2010	5889955	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-48M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954142	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7
07/14/2010	6032690	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.7 J	ND	ND	1.7
10/14/2010	6113374	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	1.5
01/25/2011	6191898	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2011	6261654	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	1.5
07/20/2011	6352284	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2

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-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041305	8021	ND	ND	ND	ND	ND	ND	2.2	ND	0.55 J	ND	ND	2.75
04/25/2001	A1382103	8021	ND	ND	ND	ND	ND	ND	0.72 J	ND	2.3	ND	ND	3.02
07/11/2001	A1648717	8021	ND	ND	ND	ND	ND	ND	0.74 J	ND	1.8	ND	ND	2.54
10/17/2001	A1A23301	8021	ND	ND	ND	ND	ND	ND	2.2	ND	120	ND	ND	122.2
01/24/2002	A2076706	8021	ND	ND	ND	ND	3.2	ND	ND	ND	ND	ND	ND	3.2
04/15/2002	A2370201	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.45 J	ND	ND	0.45
07/15/2002	A2722904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2002	A2A07504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2003	A3068903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2003	A3376303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2003	A3689001	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.31 J	ND	ND	0.31
10/22/2003	A3A21904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2004	A4057102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/27/2004	A4387503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4663803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/13/2004	A4A09402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/12/2005	A5036103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2005	A5402003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2005	A5768403	8260/5ML	ND	ND	ND	ND	ND	ND	0.51 J	ND	2.6	ND	ND	3.11
10/20/2005	A5B92003	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/24/2006	A6089115	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2006	6D19002-02	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/21/2006	6G21018-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2006	6J16007-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/05/2007	7A05012-02	8260	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
04/11/2007	7D12002-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2007	7J12012-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	1
04/10/2008	8D11008-05	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
07/16/2008	5417445	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2008	5499972	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2009	5577588	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2009	5646768	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720679	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797959	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889957	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/14/2010	5954141	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2010	6032691	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2010	6113375	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/2011	6191901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2011	6261655	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2011	6352287	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-50M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043903	8021	ND	ND	ND	ND	ND	ND	1.7	ND	5.8	ND	ND	7.5
04/17/2001	A1345703	624	ND	ND	ND	ND	ND	ND	ND	ND	8.6	ND	ND	8.6
07/13/2001	A1663810	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	6	ND	ND	6.32
10/10/2001	A1994704	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	6.1	ND	ND	6.48
01/22/2002	A2066011RE	8021	ND	ND	ND	ND	ND	ND	2.2	ND	10	ND	ND	12.2
04/11/2002	A2348303	8021	ND	ND	ND	ND	ND	ND	4.7	ND	16	ND	ND	20.7
07/12/2002	A2713908	8021	ND	ND	ND	ND	ND	ND	7.2	ND	19	ND	ND	26.2
10/08/2002	A2999310	8021	ND	ND	ND	ND	ND	0.26 J	6	ND	10	ND	ND	16.26
01/20/2003	A3060802	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
04/29/2003	A3398703	8021	ND	ND	ND	ND	ND	ND	2.4	ND	18	ND	ND	20.4
07/16/2003	A3683702	8021	ND	ND	ND	ND	ND	0.2 J	3.6	ND	14	ND	ND	17.8
10/16/2003	A3A09001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2004	A4373002	8021	ND	ND	ND	ND	ND	ND	23	ND	28	ND	ND	51
07/20/2004	A4682801	8021	ND	ND	ND	ND	ND	ND	20 E	ND	30 E	ND	ND	50
07/20/2004	A4682801	8260	ND	ND	ND	ND	ND	0.98 J	19	ND	34	ND	0.92 J	54.9
10/22/2004	A4A48002	8021	ND	ND	ND	ND	ND	0.87 J	23	ND	32	ND	0.59 J	56.46
01/17/2005	A5044301	8260	ND	ND	ND	ND	ND	0.67 J	12	ND	27	ND	ND	39.67
04/19/2005	A5387501	8260	ND	ND	ND	ND	ND	1.1	16	ND	56 E	ND	ND	73.1
04/19/2005	A5387501DL	8260	ND	ND	ND	ND	ND	1.1 D	15 D	ND	55 D	ND	ND	71.1
07/22/2005	A5778501	8260/5ML	ND	ND	ND	ND	ND	1.2	15	ND	51	ND	ND	67.2
07/18/2006	6G19003-11RE1	8260	ND	ND	ND	ND	ND	ND	14	ND	44	ND	ND	58
07/12/2007	7G13019-01	8260	ND	ND	ND	ND	ND	ND	19	ND	69	ND	ND	88
07/22/2008	5422168	8260	ND	ND	ND	ND	ND	1.6 J	25	ND	91	ND	ND	117.6
07/09/2009	5720686	8260	ND	ND	ND	ND	ND	ND	9.2	ND	51	ND	ND	60.2
07/20/2010	6038215	8260	ND	ND	ND	ND	ND	0.9 J	10	ND	49	ND	ND	59.9
07/21/2011	6353676	8260	ND	ND	ND	ND	ND	1 J	13	ND	53	ND	ND	67

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-51M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/16/2001	A1043904	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345701	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2001	A1663815	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2001	A1994705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332610	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2002	A2708307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2003	A3670610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2003	A3A08902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/21/2004	A4356905	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2004	A4682901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/21/2004	A4A47807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2005	A5778403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2006	6G19003-12	8260	ND	ND	ND	ND	4 B	ND	ND	ND	ND	ND	ND	4
07/11/2007	7G12003-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422169	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720688	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-52M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2001	A1345706	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/16/2001	A1A17407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2002	A2058504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2002	A2369802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2002	A2A14501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2003	A3639702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036408	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317601	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422160	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720691	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038217	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353671	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-53M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052403	8021	ND	ND	ND	ND	ND	ND	0.44 J	ND	4.6	ND	ND	5.04
04/17/2001	A1345705	624	ND	ND	ND	ND	ND	ND	ND	ND	5.8	ND	ND	5.8
07/16/2001	A1674105	8021	ND	ND	ND	ND	ND	ND	0.2 J	ND	3.8	ND	ND	4
10/16/2001	A1A17408	8021	ND	ND	ND	ND	ND	ND	0.32 J	ND	7.1	ND	ND	7.42
01/22/2002	A2066010	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
04/17/2002	A2378403	8021	ND	ND	ND	ND	ND	ND	1.4	ND	4.2	ND	ND	5.6
07/12/2002	A2713905	8021	ND	ND	ND	ND	ND	ND	1.6	ND	5.1	ND	ND	6.7
10/11/2002	A2A14601	8021	ND	ND	ND	ND	ND	ND	1.6	ND	12	ND	ND	13.6
01/20/2003	A3060803	8021	ND	ND	ND	ND	ND	ND	1.4	ND	7.4	ND	ND	8.8
04/09/2003	A3329508	8021	ND	ND	ND	ND	ND	ND	1.6	ND	11	ND	ND	12.6
07/08/2003	A3649107	8021	ND	ND	ND	ND	ND	ND	0.6 J	ND	8	ND	ND	8.6
10/13/2003	A3991404	8021	ND	ND	ND	ND	ND	ND	1.2	ND	7.6	ND	ND	8.8
04/13/2004	A4331801	8021	ND	ND	ND	ND	ND	ND	2.6	ND	4.9	ND	ND	7.5
07/07/2004	A4636501	8021	ND	ND	ND	ND	ND	ND	2.5	ND	4.6	ND	ND	7.1
10/22/2004	A4A48003	8021	ND	ND	ND	ND	ND	ND	1.9	ND	9.8	ND	ND	11.7
01/13/2005	A5036205	8260	ND	ND	ND	ND	ND	ND	2.1	ND	3.5	ND	1 J	6.6
04/06/2005	A5317805	8260	ND	ND	ND	ND	ND	ND	1.8	ND	2.1	ND	ND	3.9
07/07/2005	A5706901	8260/5ML	ND	ND	ND	ND	ND	ND	1.9	ND	1.8	ND	ND	3.7
07/19/2006	6G20004-03	8260	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/12/2007	7G13019-03	8260	ND	ND	ND	ND	ND	ND	2	ND	2	ND	ND	4
07/22/2008	5422161	8260	ND	ND	ND	ND	ND	ND	6.9	ND	26	ND	ND	32.9
07/09/2009	5720692	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	9.4	ND	ND	12.3
07/20/2010	6038218	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	13	ND	ND	14.7
04/13/2011	6258129	8260	ND	ND	ND	ND	ND	ND	3 J	ND	16	ND	ND	19
07/21/2011	6353670	8260	ND	ND	ND	ND	ND	ND	2 J	ND	9.3	ND	ND	11.3

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-54M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361305	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994708	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039406	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2002	A2332605	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983805	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47802	8021	ND	ND	ND	ND	0.58 J	ND	ND	ND	ND	ND	ND	0.58
01/17/2005	A5043901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317602	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422162	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720689	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040538	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353669	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-55M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/22/2001	A1063402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/18/2001	A1361302	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2002	A2039407	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2002	A2332607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2002	A2695512	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3320706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983804	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331510	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/30/2004	A4619403	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/22/2004	A4A47801	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2005	A5043902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317603	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/07/2005	A5706802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-09	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2007	7G13019-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2008	5422163	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2009	5720690	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040537	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2011	6353668	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052409	8021	ND	1	0.48 J	ND	0.56 J	2.7	71	ND	28	ND	2.4	106.14
04/16/2001	A1345803	624	ND	ND	ND	ND	ND	ND	18	ND	27	ND	ND	45
07/16/2001	A1674111	8021	ND	2.1	0.51 J	ND	1 J	2	95	ND	46	ND	ND	146.61
10/11/2001	A1994710	8021	ND	ND	ND	ND	ND	0.74 J	43	ND	31 D	ND	ND	74.74
01/24/2002	A2076708	8021	ND	2.3	ND	ND	2.5	ND	63	ND	280	ND	ND	347.8
04/15/2002	A2370203	8021	ND	ND	ND	ND	ND	ND	9.8	ND	44	ND	ND	53.8
07/16/2002	A2722905	8021	ND	ND	ND	ND	3	ND	16	ND	74	ND	ND	93
10/09/2002	A2A07502	8021	ND	ND	ND	ND	ND	ND	9.5	ND	39	ND	ND	48.5
01/23/2003	A3075202	8021	ND	ND	ND	ND	ND	ND	86	6.6	150	ND	ND	242.6
04/15/2003	A3356603	8021	ND	ND	ND	ND	86	1.4	29	1	80	ND	ND	197.4
07/21/2003	A3699403	8021	ND	ND	ND	ND	ND	ND	29	ND	71	ND	ND	100
10/21/2003	A3A21901	8021	ND	ND	ND	ND	2.3 J	ND	48	ND	110	ND	ND	160.3
01/28/2004	A4077601	8021	ND	ND	ND	ND	ND	1.7	52	ND	200	ND	ND	253.7
04/21/2004	A4356601	8021	ND	ND	ND	ND	1.8 J	ND	16	ND	68	ND	ND	85.8
07/21/2004	A4687102	8260	ND	ND	ND	ND	5.1	ND	19	ND	110	ND	ND	134.1
10/20/2004	A4A32302	8021	ND	ND	ND	ND	ND	ND	16	ND	84	ND	ND	100
01/13/2005	A5036107	8260	ND	ND	ND	ND	ND	1.1	22	0.64 J	160 E	ND	ND	183.74
01/13/2005	A5036107DL	8260							17 D		110 D			127
04/22/2005	A5402001	8260	ND	ND	ND	ND	ND	0.7 J	9.9	ND	63	ND	ND	73.6
07/19/2005	A5762301	8260/5ML	ND	ND	ND	ND	ND	0.95 J	14	ND	78	ND	ND	92.95
10/20/2005	A5B91901	8260	ND	ND	ND	ND	ND	1.5	20	0.56 J	100 E	ND	0.63 J	122.69
10/20/2005	A5B91901DL	8260	ND	ND	ND	ND	3 BD	ND	19 D	ND	82 D	ND	ND	104
01/23/2006	A6084703	8260	ND	ND	ND	ND	ND	1	17	ND	100 E	ND	ND	118
01/23/2006	A6084703DL	8260	ND	3.4 D	ND	ND	1.2 DJ	0.97 DJ	16 D	ND	94 D	ND	ND	115.57
04/12/2006	6D13005-07	8260	ND	ND	ND	ND	ND	ND	7	ND	40	ND	ND	47
07/19/2006	6G20004-05	8260	ND	ND	ND	ND	ND	ND	13	ND	74	ND	ND	87
10/10/2006	6J11002-04	8260	ND	ND	ND	ND	ND	ND	9	ND	35	ND	ND	44
01/08/2007	7A09003-03	8260	ND	ND	ND	ND	ND	ND	3	ND	13	ND	ND	16
04/04/2007	7D05011-03	8260	ND	ND	ND	ND	ND	ND	1	ND	8	ND	ND	9
07/11/2007	7G12003-04	8260	ND	ND	ND	ND	ND	ND	3	ND	16	ND	ND	19
10/10/2007	7J11002-06	8260	ND	ND	ND	ND	2 B	ND	6	ND	27	ND	ND	35
01/08/2008	8A09005-07	8260	ND	ND	1	ND	4	ND	23	2	60	ND	ND	90
04/07/2008	8D08002-04	8260	ND	ND	ND	ND	ND	ND	6	ND	20	ND	ND	26
07/28/2008	5426818	8260	ND	ND	ND	ND	ND	ND	6.9	ND	19	ND	ND	25.9
10/17/2008	5502675	8260	ND	ND	2 J	ND	ND	1.4 J	41	2 J	110	ND	1.2 J	157.6
01/13/2009	5576512	8260	ND	ND	1 J	ND	ND	ND	23	1.3 J	73	ND	ND	98.3
04/13/2009	5647712	8260	ND	ND	ND	ND	ND	ND	17	ND	64	ND	ND	81

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-56M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/15/2009	5724675	8260	ND	ND	ND	ND	ND	0.87 J	21	ND	82	ND	ND	103.87
10/05/2009	5797969	8260	ND	ND	ND	ND	ND	ND	17	ND	72	ND	ND	89
01/21/2010	5889952	8260	ND	ND	ND	ND	ND	ND	5.3	ND	32	ND	ND	37.3
04/06/2010	5946902	8260	ND	ND	ND	ND	ND	ND	16	ND	97	ND	ND	113
07/20/2010	6038213	8260	ND	ND	ND	ND	ND	1.1 J	25	0.91 J	150	ND	ND	177.01
10/18/2010	6115540	8260	ND	ND	3.1 J	0.89 J	ND	2.4 J	62	2.5 J	290	ND	3.2 J	364.09
01/26/2011	6192952	8260	ND	ND	2.7 J	0.94 J	ND	2.7 J	77	3.1 J	300	ND	1.5 J	387.94
04/13/2011	6258128	8260	ND	ND	ND	ND	ND	1.3 J	34	1.1 J	180	ND	ND	216.4
07/19/2011	6350139	8260	ND	ND	ND	ND	ND	1.1 J	23	ND	140	ND	ND	164.1

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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-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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/18/2001	A1052407	8021	ND	ND	ND	ND	ND	ND	3.2	ND	1.5	ND	ND	4.7
04/16/2001	A1345802	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/11/2001	A1994709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058507	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347903	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986404	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056003	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978811	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664210	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54102	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036403	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2005	A5317604	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5733101	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2005	A5B10501	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2006	A6084704	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2006	6D13005-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2007	7A09003-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2007	7J11002-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2008	8A09005-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2008	8D08002-03	8260	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/28/2008	5426820	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/17/2008	5502678	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2009	5576515	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.6 J	ND	ND	1.6
04/13/2009	5647716	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724674	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/05/2009	5797968	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/21/2010	5889951	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/06/2010	5946908	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/20/2010	6038208	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/18/2010	6115539	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/26/2011	6192953	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2011	6258125	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350145	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/17/2001	A1052408	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/16/2001	A1345801	624	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2001	A1674110	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/12/2001	A1A01002	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2002	A2058508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2002	A2347904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986405	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2003	A3320704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649204	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/09/2003	A3978813	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2004	A4356902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2004	A4664211	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/25/2004	A4A54103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2005	A5036404	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5	ND	ND	1.5
04/06/2005	A5317605	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.69 J	ND	ND	0.69
07/12/2005	A5733102	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2007	7G12003-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/28/2008	5426822	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2009	5724673	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2010	6038214	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2011	6350142	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-59M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732710	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	2.5
08/05/2002	A2793604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056008	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372901	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/15/2004	A4A20702	8021	ND	ND	ND	ND	ND	ND	ND	ND	0.79 J	ND	ND	0.79
01/19/2005	A5050901	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/25/2005	A5408101	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762204	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-14RE1	8260	ND	ND	ND	ND	4	ND	3	ND	3	ND	ND	10
07/17/2007	7G18027-09	8260	ND	ND	ND	ND	ND	1	4	ND	3	ND	ND	8
07/21/2008	5420892	8260	ND	ND	ND	ND	ND	0.8 J	1.1 J	ND	ND	ND	ND	1.9
07/08/2009	5719627	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036152	8260	ND	ND	ND	ND	ND	2.2 J	6.9	ND	ND	ND	3 J	12.1
04/13/2011	6258124	8260	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	1.2
07/12/2011	6342643	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732708	8021	ND	ND	ND	ND	ND	ND	ND	ND	3.8	ND	ND	3.8
08/05/2002	A2793610	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986402	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/17/2003	A3361702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670604	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998702	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026302	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372903	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664205	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32103	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050902	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2005	A5402103	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762205	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-10	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420895	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719625	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036153	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342644	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-61M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732705	8021	ND	5	ND	ND	ND	ND	4.8	ND	26	ND	ND	35.8
08/05/2002	A2793611	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2002	A2980612	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2003	A3056007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2003	A3347501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2003	A3670603	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/14/2003	A3998701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/08/2004	A4026301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/22/2004	A4372902	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/14/2004	A4664206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32104	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050903	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/25/2005	A5408102	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/20/2005	A5762206	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-11	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-07	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2008	5420896	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719626	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036154	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2011	6342645	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732712	8021	ND	ND	ND	ND	ND	ND	2.2	ND	7.4	ND	ND	9.6
08/05/2002	A2793609	8021	ND	ND	ND	ND	ND	ND	0.86 J	ND	3.1	ND	ND	3.96
10/04/2002	A2986403	8021	ND	ND	ND	ND	ND	ND	ND	ND	1.2	ND	ND	1.2
01/17/2003	A3056009	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315007	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978808	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012309	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337501	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614509	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60303	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307806	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725406	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-03	8260	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	4
07/17/2007	7G18027-03	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418423	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719616	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040536	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357495	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732709	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793605	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/13/2003	A3038006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315004	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2003	A3649201	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978807	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012305	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32106	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050904	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307805	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725405	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2006	6G20004-13	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/18/2007	7G19011-08	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418424	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719620	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040535	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357496	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732711	8021	ND	17	ND	ND	ND	ND	ND	ND	8.7	ND	ND	25.7
08/05/2002	A2793606	8021	ND	9.4	ND	ND	ND	ND	3.7	ND	6.8	ND	ND	19.9
10/07/2002	A2999204	8021	ND	0.9 J	ND	ND	ND	ND	0.3 J	ND	0.96 J	ND	ND	2.16
01/15/2003	A3043011	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315005	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639706	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978805	8021	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	1.1
01/07/2004	A4012307	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614502	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32107	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050905	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.3 J	ND	ND	0.3
04/04/2005	A5307804	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725404	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-04	8260	ND	ND	ND	ND	5 B	ND	ND	ND	ND	ND	ND	5
07/17/2007	7G18027-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418425	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719619	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040531	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357497	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732713	8021	ND	ND	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.6
08/05/2002	A2793607	8021	ND	0.24 J	ND	ND	ND	ND	ND	ND	0.49 J	ND	ND	0.73
10/07/2002	A2999203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/15/2003	A3043010	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978806	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012308	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337504	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/29/2004	A4614508	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/27/2004	A4A60304	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050906	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.53 J	ND	ND	0.53
04/04/2005	A5307803	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725403	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/21/2006	6G21018-05	8260	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-02	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418426	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719618	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/22/2010	6040539	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357501	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-66M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/18/2002	A2732706	8021	ND	ND	ND	ND	ND	ND	ND	ND	5.2	ND	ND	5.2
08/05/2002	A2793608	8021	ND	0.35 J	ND	ND	ND	ND	ND	ND	2.6	ND	ND	2.95
10/07/2002	A2999202	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043005	8021	ND	ND	ND	ND	ND	ND	0.38 J	ND	0.24 J	ND	ND	0.62
04/07/2003	A3320701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639704	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012311	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614505	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32108	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050907	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2005	A5307802	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725402	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-01	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2007	7G18027-05	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418427	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719614	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036147	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357502	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-67M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
07/17/2002	A2732707	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
08/05/2002	A2793613	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/04/2002	A2986401	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/14/2003	A3043006	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2003	A3315001	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/03/2003	A3639705	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/08/2003	A3978802	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/07/2004	A4012310	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2004	A4337506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
06/28/2004	A4614506	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/20/2004	A4A32109	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/19/2005	A5050908	8260	ND	ND	ND	ND	ND	ND	ND	ND	0.35 J	ND	ND	0.35
04/04/2005	A5307801	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2005	A5725401	8260/5ML	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/13/2006	6G14009-02	8260	ND	ND	ND	ND	3	ND	ND	ND	ND	ND	ND	3
07/17/2007	7G18027-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/17/2008	5418428	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/08/2009	5719615	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2010	6036146	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/26/2011	6357503	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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: 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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/25/2001	A1382102	8021	ND	ND	ND	ND	ND	ND	2300	ND	14000 D	ND	56	16356
07/12/2001	A1663804	8021	ND	ND	ND	ND	1.7 J	ND	120	ND	63	ND	2.5	187.2
01/25/2002	A2081502	8021	ND	ND	ND	13	1 J	15	4900 D	ND	1600 D	1.3	9.1	6539.4
04/19/2002	A2384301	8021	ND	ND	ND	ND	ND	ND	5900	ND	5000	ND	130	11030
07/16/2002	A2722915	8021	ND	ND	ND	ND	160	ND	3000	ND	5500	ND	240	8900
10/09/2002	A2A07506	8021	ND	ND	ND	ND	ND	ND	4400	ND	6600	ND	ND	11000
01/23/2003	A3075206	8021	ND	ND	ND	ND	ND	ND	2800	ND	16000	ND	ND	18800
04/10/2003	A3335401	8021	ND	ND	ND	ND	180	ND	2100	ND	2400	ND	190	4870
07/10/2003	A3654306	8021	ND	ND	ND	ND	ND	ND	1700	ND	3400	ND	110	5210

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041303	8021	ND	ND	ND	ND	ND	ND	74	ND	340	ND	ND	414
04/20/2001	A1366406	624	ND	ND	ND	ND	ND	ND	35	ND	320 D	ND	ND	355
07/13/2001	A1663813	8021	ND	ND	ND	ND	3.9	ND	39	ND	230	ND	ND	272.9
09/06/2001	A1858801	8021	ND	ND	ND	ND	110	ND	500	ND	4800	ND	ND	5410
10/15/2001	A1A17406	8021	ND	ND	ND	ND	58	ND	150	ND	3900	ND	ND	4108
01/24/2002	A2076711	8021	ND	ND	ND	ND	310	ND	740	560	8000	ND	ND	9610
04/19/2002	A2384302	8021	ND	ND	ND	ND	ND	ND	600	190	15000	ND	ND	15790
07/16/2002	A2722916	8021	ND	ND	ND	ND	610	ND	1500	1000	16000	ND	ND	19110
10/09/2002	A2A07507	8021	ND	ND	ND	ND	ND	ND	540	ND	12000	ND	ND	12540
04/09/2003	A3329402	8021	ND	ND	210	22	110	ND	390	1800	1200	ND	ND	3732
07/10/2003	A3654303	8021	ND	ND	ND	ND	ND	ND	860	400	7700	ND	ND	8960
10/13/2003	A3991301	8021	ND	ND	120	ND	100	ND	1200	870	7500	ND	ND	9790
01/07/2004	A4012402	8021	ND	ND	270	ND	ND	ND	1000	1800	7800	ND	120	10990
04/14/2004	A4331402	8021	ND	ND	180	ND	ND	ND	960	1800	9700	ND	ND	12640
07/07/2004	A4636803	8021	ND	ND	220	ND	ND	ND	1100	1100	12000	ND	ND	14420
10/08/2004	A4994502	8021	ND	ND	ND	ND	ND	ND	760	760	10000	ND	ND	11520
01/18/2005	A5051103	8260	ND	ND	ND	ND	ND	ND	860	1400	12000	ND	ND	14260
04/04/2005	A5307503	8260	ND	0.68 J	170 E	66 E	ND	7.7	810 E	1300 E	2500 E	1.9	20	4876.28
04/04/2005	A5307503DL	8260	ND	ND	ND	ND	ND	ND	580 D	1300 D	8200 D	ND	ND	10080
07/11/2005	A5724601	8260/5ML	ND	ND	70	ND	ND	ND	710	280	9200	ND	ND	10260
10/05/2005	A5B10701	8260	ND	ND	180	ND	ND	ND	530	1000	5400	ND	ND	7110
01/24/2006	A6089106	8260	ND	ND	170	ND	ND	ND	770	1200	8500	ND	ND	10640
04/12/2006	6D13005-04RE1	8260	ND	ND	124	24	11	7	638	1020	7800 D	ND	18	9642
07/11/2006	6G12005-03	8260	ND	ND	102	14	22	ND	621	411	6850 D	ND	13	8033
10/09/2006	6J10002-03	8260	ND	ND	146	23	ND	6	322	1130 D	2770 D	ND	12	4409
01/10/2007	7A11003-04	8260	ND	ND	135	17	12	ND	368	919	4950 D	ND	10	6411
04/03/2007	7D04039-01	8260	ND	ND	110	23	164	9	792	897	9730 D	ND	24	11749
07/05/2007	7G06018-04	8260	ND	ND	148	ND	ND	ND	10400	936	372	ND	ND	11856
10/10/2007	7J11002-01RE1	8260	ND	ND	36	ND	ND	ND	2190	50	3380	ND	80	5736
01/07/2008	8A08003-09	8260	ND	ND	86	ND	86	ND	629	722	524	ND	ND	2047
04/08/2008	8D09003-04	8260	ND	ND	102	15	ND	ND	1290	382	366	ND	90	2245
07/16/2008	5417447	8260	ND	ND	120	11 J	ND	6 J	2000	210	95	ND	390	2832
10/14/2008	5498678	8260	ND	ND	190	3.1 J	ND	5 J	1200	120	97	ND	21	1636.1
01/21/2009	5582428	8260	ND	ND	86	7.6	ND	5	920	100	280	ND	70	1468.6
04/16/2009	5649165	8260	ND	ND	190	31	ND	5.1	780	1100	260	ND	160	2526.1
07/13/2009	5722296	8260	ND	ND	82	19	ND	7.9 J	1700	350	420	ND	150	2728.9
10/07/2009	5800381	8260	ND	ND	460	62	ND	2.9 J	500	2800	250	ND	65	4139.9

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/26/2010	5893226	8260	ND	ND	270	39	ND	ND	490	2300	320	ND	39	3458
04/07/2010	5948423	8260	ND	0.98 J	270	81	ND	9.5	910	2200	2400	0.82 J	85	5957.3
07/21/2010	6039078	8260	ND	ND	180	31	ND	7.8 J	1100	1100	2300	ND	60	4778.8
10/12/2010	6109750	8260	ND	ND	580	88	ND	12 J	1700	4700	3400	ND	94	10574
01/24/2011	6190814	8260	ND	ND	280	47	ND	5.6 J	800	2100	1700	ND	31	4963.6
04/12/2011	6256723	8260	ND	ND	150	30	ND	7.6 J	1100	1100	5400	ND	41	7828.6
07/20/2011	6352280	8260	ND	ND	98	25	ND	11 J	1600	630	6000	ND	57	8421

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041304	8021	ND	ND	ND	ND	ND	ND	2.4	ND	0.42 J	ND	ND	2.82
04/20/2001	A1366407	624	ND	ND	ND	ND	ND	ND	1.6	ND	1.5	ND	ND	3.1
07/11/2001	A1648715	8021	ND	ND	ND	ND	ND	ND	1.2	ND	0.38 J	ND	ND	1.58
10/16/2001	A1A17404	8021	ND	ND	ND	ND	ND	5.2	210	ND	69	ND	3.5	287.7
01/21/2002	A2066001	8021	ND	ND	ND	ND	ND	6.5	140	ND	ND	ND	ND	146.5
04/11/2002	A2348304	8021	ND	ND	ND	ND	ND	4.9	170	ND	ND	ND	8.4	183.3
07/12/2002	A2713910	8021	ND	ND	ND	ND	ND	5.8	120	ND	4	ND	3.5	133.3
10/08/2002	A2999305	8021	ND	ND	1.1	ND	ND	10	300	ND	4	ND	ND	315.1
04/09/2003	A3329502	8021	ND	ND	ND	ND	16	ND	52	ND	ND	ND	1.8	69.8
07/08/2003	A3649104	8021	ND	ND	ND	ND	3.8	6	230	ND	ND	ND	ND	239.8
10/13/2003	A3991407	8021	ND	ND	ND	ND	ND	8.2	230	ND	ND	ND	ND	238.2
01/09/2004	A4026203	8021	ND	ND	ND	ND	ND	3.1	110	ND	ND	ND	3.1	116.2
04/14/2004	A4331803	8021	ND	ND	ND	ND	ND	2.4	100	ND	4.3	ND	ND	106.7
07/06/2004	A4636509	8021	ND	ND	ND	2.5	ND	9.2	260 E	ND	3.1	ND	3	277.8
07/06/2004	A4636509DL	8021	ND	ND	ND	ND	5.4 DE	8.8 D	230 D	ND	ND	ND	ND	244.2
10/08/2004	A4994501	8021	ND	ND	ND	ND	ND	ND	200	ND	ND	ND	ND	200
01/12/2005	A5036201	8260	ND	ND	ND	ND	ND	2.8	98	ND	ND	ND	ND	100.8
04/04/2005	A5307703	8260	ND	ND	ND	ND	ND	3.2	110 E	ND	0.43 J	ND	1.9	115.53
04/04/2005	A5307703DL	8260	ND	ND	ND	ND	ND	2.1 D	90 D	ND	ND	ND	ND	92.1
07/08/2005	A5715301	8260/5ML	ND	ND	ND	ND	1.2 J	5.7	140	ND	ND	ND	ND	146.9
10/05/2005	A5B10603	8260	ND	ND	0.55 J	ND	ND	6	110 E	ND	0.69 J	ND	0.98 J	118.22
10/05/2005	A5B10603DL	8260	ND	ND	ND	ND	ND	5.9 D	120 D	ND	ND	ND	ND	125.9
01/24/2006	A6089110	8260	ND	ND	ND	ND	ND	2.2	69	ND	0.52 J	ND	1.1 J	72.82
04/12/2006	6D13005-01	8260	ND	ND	ND	ND	ND	2	63	ND	ND	ND	ND	65
07/11/2006	6G12005-04	8260	ND	ND	ND	ND	ND	5	123	ND	1	ND	ND	129
10/09/2006	6J10002-04	8260	ND	ND	ND	ND	ND	4	88	ND	1	ND	ND	93
01/09/2007	7A10006-01	8260	ND	ND	ND	ND	ND	1	49	ND	1	ND	ND	51
04/03/2007	7D04039-02	8260	ND	ND	ND	ND	25 B	1	42	ND	ND	ND	ND	68
07/05/2007	7G06018-06	8260	ND	ND	ND	ND	ND	3	85	ND	ND	ND	ND	88
10/10/2007	7J11002-09	8260	ND	ND	ND	ND	ND	3	61	ND	ND	ND	ND	64
01/07/2008	8A08003-07	8260	ND	ND	ND	ND	ND	1	25	ND	ND	ND	ND	26
04/08/2008	8D09003-02	8260	ND	ND	ND	ND	3 B	2	67	ND	ND	ND	ND	72
07/16/2008	5417454	8260	ND	ND	ND	ND	ND	3.6 J	92	ND	ND	ND	ND	95.6
10/14/2008	5498679	8260	ND	ND	ND	ND	ND	1.5 J	55	ND	ND	ND	ND	56.5
01/21/2009	5582429	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	ND	ND	1.2 J	35.5
04/15/2009	5647723	8260	ND	ND	ND	ND	ND	1.6 J	46	ND	ND	ND	1.7 J	49.3
07/08/2009	5719622	8260	ND	ND	ND	ND	ND	5.4	120	ND	ND	ND	ND	125.4

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/05/2009	5797970	8260	ND	ND	ND	ND	ND	4 J	90	ND	ND	ND	ND	94
01/25/2010	5892347	8260	ND	ND	ND	ND	ND	2 J	60	ND	ND	ND	2.3 J	64.3
04/06/2010	5946898	8260	ND	ND	ND	ND	ND	2.5 J	90	ND	ND	ND	2.3 J	94.8
07/21/2010	6039076	8260	ND	ND	ND	ND	ND	5.4	100	ND	ND	ND	1.3 J	106.7
10/12/2010	6109756	8260	ND	ND	ND	ND	ND	2.7 J	110	ND	ND	ND	ND	112.7
01/26/2011	6192954	8260	ND	ND	ND	ND	ND	1.1 J	27	ND	ND	ND	1.4 J	29.5
04/12/2011	6256721	8260	ND	ND	ND	ND	ND	3 J	100	ND	1.1 J	ND	2 J	106.1
07/12/2011	6342651	8260	ND	ND	ND	ND	ND	4.8 J	110	ND	1 J	ND	ND	115.8

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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.
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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-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035111	8021	ND	ND	ND	ND	1.8 J	0.66 J	18	ND	26	ND	2.6	49.06
04/19/2001	A1361311	624	ND	ND	ND	ND	ND	ND	2.9	0.23	9.6	ND	ND	12.73
07/11/2001	A1648714	8021	ND	ND	ND	ND	ND	0.23 J	18	ND	4.9	ND	ND	23.13
10/16/2001	A1A17403	8021	ND	ND	ND	ND	1.3 J	2	220	ND	42	ND	ND	265.3
01/21/2002	A2066002	8021	ND	ND	7.7	5.4	2.4 J	12	1600 D	3.8	490 D	ND	17	2138.3
04/11/2002	A2348305	8021	ND	ND	ND	ND	ND	ND	1000	ND	940	ND	ND	1940
07/12/2002	A2713911	8021	ND	ND	7.3	ND	ND	ND	1200	ND	360	ND	ND	1567.3
10/08/2002	A2999306	8021	ND	15	ND	ND	ND	ND	480	ND	140	ND	ND	635
04/09/2003	A3329503	8021	ND	ND	ND	ND	33	ND	510	ND	620	ND	ND	1163
07/08/2003	A3649106	8021	ND	ND	ND	ND	ND	ND	710	15	1000	ND	ND	1725
10/13/2003	A3991408	8021	ND	ND	23	ND	9.2	17	1700	25	920	ND	ND	2694.2
01/09/2004	A4026204	8021	ND	ND	26	ND	ND	14	1300	22	1400	ND	23	2785
04/14/2004	A4331804	8021	ND	ND	20	ND	ND	8	720	9.8	770	ND	15	1542.8
07/06/2004	A4636507	8021	ND	ND	40	ND	ND	ND	1300	31	1400	ND	49	2820
10/08/2004	A4994503	8021	ND	ND	31	ND	ND	ND	1100	ND	1200	ND	33	2364
01/12/2005	A5036202	8260	ND	ND	ND	ND	ND	ND	650	ND	1200	ND	43	1893
04/04/2005	A5307702	8260	ND	ND	13	ND	ND	ND	560	ND	870	ND	26	1469
07/11/2005	A5724701	8260/5ML	ND	ND	21	6.7	ND	12	830	8.2	880	ND	10	1767.9
10/05/2005	A5B10604	8260	ND	ND	33	9.3	ND	16	1200 E	20	1000 E	ND	ND	2278.3
10/05/2005	A5B10604DL	8260	ND	ND	30 D	ND	ND	15 D	1200 D	16 D	910 D	ND	ND	2171
01/23/2006	A6084706	8260	ND	ND	20	ND	ND	11	850	13	1500	ND	32	2426
04/12/2006	6D13005-02RE1	8260	ND	ND	15	ND	ND	8	583 D	10	998	ND	11	1625
07/11/2006	6G12005-05	8260	ND	ND	20	6	4	12	700 D	9	869 D	ND	ND	1620
10/09/2006	6J10002-05	8260	ND	ND	30	8	ND	16	1180 D	27	1100 D	ND	ND	2361
01/05/2007	7A05012-05	8260	ND	ND	23	6	2 B	11	734 D	20	2080 D	ND	26	2902
04/03/2007	7D04039-03	8260	ND	ND	7	3	ND	7	394 D	7	1190 D	ND	6	1614
07/05/2007	7G06018-07	8260	ND	ND	ND	ND	ND	ND	499	ND	579	ND	ND	1078
10/09/2007	7J10006-04	8260	ND	ND	9	ND	ND	8	570	ND	636	ND	ND	1223
01/07/2008	8A08003-06	8260	ND	ND	15	ND	22	10	689	8	601	ND	ND	1345
04/08/2008	8D09003-06	8260	ND	ND	12	ND	ND	7	431	13	1680 D	ND	ND	2143
07/16/2008	5417453	8260	ND	ND	9.6	3 J	ND	7	470	6.3	610	ND	ND	1105.9
10/14/2008	5498682	8260	ND	ND	8	1.7 J	ND	8	460	5.1	530	ND	ND	1012.8
01/14/2009	5577587	8260	ND	ND	24	7.9	ND	11	720	38	1200	ND	2 J	2002.9
04/14/2009	5646771	8260	ND	ND	12	3.5 J	ND	6.1 J	370	23	1600	ND	3.9 J	2018.5
07/09/2009	5720680	8260	ND	ND	6.6	2.3 J	ND	6.8	390	5.6	490	ND	ND	901.3
10/05/2009	5797961	8260	ND	ND	10	3.1 J	ND	6.7 J	560	9.2 J	780	ND	ND	1369
01/21/2010	5889956	8260	ND	ND	17 J	4.9 J	ND	8.8 J	460	32	2100	ND	ND	2622.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-4

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/06/2010	5946899	8260	ND	ND	9.5 J	2.8 J	ND	5.6 J	390	13	1600	ND	6.4 J	2027.3
07/13/2010	6031624	8260	ND	ND	6.9	3.4 J	ND	7.7	460	5.4	760	ND	ND	1243.4
10/12/2010	6109755	8260	ND	ND	6.5	1.6 J	ND	7.1	360	6.2	530	ND	ND	911.4
01/26/2011	6192955	8260	ND	ND	36	6.8 J	ND	11	790	14	1500	ND	3.8 J	2361.6
04/12/2011	6256718	8260	ND	ND	65	12	ND	14	1500	20	3700	1.7 J	27	5339.7
07/20/2011	6352288	8260	ND	ND	29	7.8 J	ND	10	750	7.8 J	1400	ND	ND	2204.6

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-1														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro-ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethylene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/12/2001	A1035112	8021	ND	ND	ND	ND	5.6	ND	71	ND	150	ND	ND	226.6
04/20/2001	A1366403	624	ND	ND	ND	ND	ND	2.4	84	ND	330 D	ND	1.9	418.3
07/11/2001	A1648702	8021	ND	ND	ND	ND	2.9	1.3	83	ND	140	ND	4.7	231.9
09/07/2001	A1863501	8021	ND	ND	ND	ND	38	ND	1500	ND	2500	ND	ND	4038
10/16/2001	A1A17402	8021	ND	ND	ND	ND	ND	ND	2700	ND	40000	ND	ND	42700
01/23/2002	A2076705	8021	ND	ND	ND	ND	1500	ND	880	ND	2000	ND	ND	4380
04/18/2002	A2378804	8021	ND	ND	ND	ND	23	ND	240	ND	1200	ND	ND	1463
07/16/2002	A2722914	8021	ND	ND	ND	ND	60	ND	520	ND	1800	ND	ND	2380
10/09/2002	A2A07508	8021	ND	ND	ND	ND	ND	ND	27000	ND	140000	ND	ND	167000
01/24/2003	A3075208	8021	ND	ND	ND	ND	ND	ND	920	ND	2100	ND	26	3046
04/09/2003	A3329403	8021	ND	ND	ND	ND	ND	ND	560	ND	1900	ND	ND	2460
07/10/2003	A3654305	8021	ND	ND	ND	ND	ND	ND	1200	ND	3800	ND	ND	5000
10/13/2003	A3991302	8021	ND	ND	ND	ND	ND	ND	1200	ND	3600	ND	ND	4800
01/09/2004	A4026101	8021	ND	ND	ND	ND	ND	18	380	ND	1300	ND	25	1723
04/14/2004	A4331403	8021	ND	ND	ND	ND	ND	ND	1400	ND	4500	ND	ND	5900
07/06/2004	A4636805	8021	ND	ND	ND	ND	ND	ND	540	ND	1600	ND	43	2183
10/07/2004	A4994204	8021	ND	ND	ND	ND	ND	ND	170	ND	130	ND	ND	300
01/12/2005	A5036101	8260	ND	ND	6.9	4.5	ND	6.1	900 E	5.5	2700 E	ND	ND	3623
01/12/2005	A5036101DL	8260							600 D		2400 D			3000
04/04/2005	A5307501	8260	ND	ND	1.2	0.61 J	ND	1.9	190 E	0.71 J	650 E	2	6.8	853.22
04/04/2005	A5307501DL	8260	ND	ND	ND	ND	ND	ND	350 D	ND	1500 BD	ND	ND	1850
07/11/2005	A5724602	8260/5ML	ND	ND	5.3	ND	ND	ND	410	ND	1100 E	ND	18	1533.3
07/11/2005	A5724602DL	8260/5ML	ND	ND	ND	ND	ND	ND	320 D	ND	870 D	ND	15 D	1205
10/05/2005	A5B10702	8260	ND	ND	ND	ND	ND	ND	390	11	1300	ND	13	1714
01/26/2006	A6102404	8260	ND	ND	2.3	0.69 J	ND	1.9	160 E	2.5	700 E	ND	2.4	869.79
01/26/2006	A6102404DL	8260	ND	ND	ND	ND	ND	ND	200 D	ND	900 D	ND	7.5 D	1107.5
04/13/2006	6D14002-07RE1	8260	ND	ND	2	ND	ND	2	146	ND	636 D	ND	6	792
07/11/2006	6G12005-01	8260	ND	ND	2	ND	4	2	143	2	449 D	ND	ND	602
10/09/2006	6J10002-02	8260	ND	ND	ND	ND	ND	2	114	ND	871 D	ND	3	990
01/09/2007	7A10006-02	8260	ND	ND	3	ND	ND	2	185	3	638 D	ND	7	838
04/03/2007	7D04039-04	8260	ND	ND	6	2	ND	3	302 D	6	1040 D	ND	20	1379
07/05/2007	7G06018-05RE1	8260	ND	ND	ND	ND	ND	ND	68	ND	235	ND	6	309
10/09/2007	7J10006-07	8260	ND	ND	4	ND	ND	3	304	ND	1090 D	ND	13	1414
01/07/2008	8A08003-08	8260	ND	ND	ND	ND	31	ND	84	ND	463	ND	ND	578
04/08/2008	8D09003-03	8260	ND	ND	12	ND	16 B	ND	455	7	1690 D	ND	31	2211
07/21/2008	5420903	8260	ND	ND	1.3 J	ND	ND	1.6 J	120	ND	1500	ND	7.5	1630.4
10/14/2008	5498687	8260	ND	ND	110 J	54 J	ND	60 J	10000	ND	41000	ND	180 J	51404

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/13/2009	5576508	8260	ND	ND	18	5	ND	5.6	570	17	2100	ND	30	2745.6
04/15/2009	5647722	8260	ND	ND	11	2.8 J	ND	3.6 J	400	11	1300	ND	19	1747.4
07/07/2009	5718471	8260	ND	ND	1.6 J	ND	ND	1.6 J	110	1.1 J	430	ND	5.6	549.9
10/07/2009	5800383	8260	ND	ND	2.3 J	0.85 J	ND	1.9 J	160	2 J	470	ND	9.3	646.35
01/20/2010	5888923	8260	ND	ND	11	1.8 J	ND	2.6 J	340	11	1200	ND	11	1577.4
04/07/2010	5948422	8260	ND	ND	11	3.4 J	ND	3.6 J	370	7.2	1300	ND	24	1719.2
07/14/2010	6032689	8260	ND	ND	3 J	1.2 J	ND	2 J	180	2.1 J	470	ND	6.7	665
10/12/2010	6109752	8260	ND	ND	2.6 J	0.98 J	ND	2.8 J	290	ND	420	ND	4.7 J	721.08
01/25/2011	6191894	8260	ND	ND	8.2 J	3 J	ND	4 J	400	5.7 J	1800	ND	12 J	2232.9
04/12/2011	6256717	8260	ND	ND	3.2 J	1.4 J	ND	2.4 J	260	2.8 J	1400	ND	2.9 J	1672.7
07/13/2011	6343975	8260	ND	ND	10	4.3 J	ND	4.7 J	460	5.6	1700	ND	42	2226.6

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/15/2001	A1041301	8021	ND	ND	ND	ND	1.6 J	ND	24	ND	44	ND	ND	69.6
04/19/2001	A1361314	624	ND	ND	ND	ND	ND	ND	1.4	ND	17	ND	ND	18.4
07/13/2001	A1663811	8021	ND	1.5	ND	ND	5.3	ND	24	ND	88	ND	ND	118.8
10/15/2001	A1A17405	8021	ND	ND	ND	ND	ND	ND	370	ND	3700	ND	ND	4070
01/23/2002	A2076704	8021	ND	ND	ND	ND	2 J	ND	7.8	ND	55	ND	ND	64.8
04/18/2002	A2378805	8021	ND	ND	ND	ND	ND	ND	2.4	ND	17	ND	ND	19.4
07/16/2002	A2722913	8021	ND	ND	ND	ND	2.6	ND	16	ND	110	ND	ND	128.6
10/09/2002	A2A07509	8021	ND	ND	ND	ND	ND	ND	88	ND	640	ND	ND	728
01/23/2003	A3075205	8021	ND	ND	ND	ND	ND	ND	31	ND	270	ND	ND	301
04/09/2003	A3329401	8021	ND	ND	ND	ND	ND	ND	5	ND	85	ND	ND	90

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
10/13/2003	A3991406	8021	ND	ND	ND	5	ND	4.8	840 D	ND	1500 D	2.8	40 D	2392.6
01/07/2004	A4012401	8021	ND	ND	ND	ND	ND	ND	490	ND	1800	ND	ND	2290
04/14/2004	A4331401	8021	ND	ND	ND	ND	ND	ND	460	ND	2400	ND	ND	2860
07/07/2004	A4636804	8021	ND	ND	ND	ND	ND	ND	440	ND	1300	20	36	1796
10/13/2004	A4A09404	8021	ND	ND	ND	3.1	ND	2.5	490 D	ND	1200 D	4.1	3.1	1702.8
01/12/2005	A5036105	8260	ND	ND	ND	ND	ND	ND	700	ND	4000 E	ND	ND	4700
01/12/2005	A5036105DL	8260							460 D		2200 D			2660
04/04/2005	A5307502	8260	ND	ND	ND	2	ND	3.8	570 E	ND	1800 E	35	4.9	2415.7
04/04/2005	A5307502DL	8260	ND	ND	ND	ND	ND	ND	500 D	ND	3700 BD	ND	ND	4200
07/11/2005	A5724603	8260/5ML	ND	ND	ND	ND	ND	ND	1400	ND	3200	ND	36	4636
10/05/2005	A5B10703	8260	ND	ND	ND	ND	ND	ND	800	ND	1500	ND	ND	2300
01/24/2006	A6089105	8260	ND	ND	ND	ND	ND	ND	450	ND	3100 E	18	ND	3568
01/24/2006	A6089105DL	8260	ND	ND	ND	ND	ND	ND	520 D	ND	3700 D	23 D	ND	4243
04/13/2006	6D14002-06RE1	8260	ND	ND	ND	ND	ND	1	298 D	ND	946 D	10	4	1259
07/11/2006	6G12005-02	8260	ND	ND	ND	5	3	5	1150 D	ND	3150 D	8	5	4326
10/09/2006	6J10002-06	8260	ND	ND	ND	4	ND	6	1550 D	ND	4620 D	3	4	6187
01/09/2007	7A10006-05	8260	ND	ND	ND	ND	39	ND	437	ND	1940 D	21	ND	2437
04/03/2007	7D04039-05	8260	ND	ND	ND	2	ND	3	540 D	ND	2250 D	18	9	2822
07/05/2007	7G06018-02	8260	ND	ND	ND	ND	ND	ND	1320	ND	3120	ND	61	4501
10/09/2007	7J10006-06	8260	ND	ND	ND	ND	ND	ND	1400	ND	4220 D	ND	ND	5620
01/07/2008	8A08003-04RE1	8260	ND	ND	ND	ND	ND	ND	849	ND	362	ND	24	1235
04/08/2008	8D09003-05	8260	ND	ND	ND	ND	35 B	12	2910 D	ND	2120 D	ND	154	5231
07/16/2008	5417446	8260	ND	ND	ND	8	ND	5.2	770	ND	630	ND	130	1543.2
10/14/2008	5498677	8260	ND	ND	ND	10 J	ND	6.4 J	1000	ND	1400	ND	31	2447.4
01/15/2009	5578620	8260	ND	ND	ND	3.2 J	ND	2.7 J	630	ND	2000	ND	48	2683.9
04/13/2009	5647718	8260	ND	ND	ND	4.5 J	ND	ND	730	ND	2200	ND	50	2984.5
07/07/2009	5718469	8260	ND	ND	ND	19 J	ND	15 J	2600	ND	5000	ND	17 J	7651
10/06/2009	5799011	8260	ND	ND	ND	11 J	ND	8.6 J	1700	ND	5500	ND	8 J	7227.6
01/25/2010	5892346	8260	ND	ND	ND	ND	ND	ND	1400	ND	6300	ND	49 J	7749
04/06/2010	5946901	8260	ND	ND	ND	4.3 J	ND	5.1 J	940	ND	4300	ND	40	5289.4
07/21/2010	6039079	8260	ND	ND	ND	28	ND	20 J	2500	ND	4000	ND	13 J	6561
10/12/2010	6109759	8260	ND	ND	ND	8.5 J	ND	6.8 J	1400	ND	3100	ND	7 J	4522.3
01/24/2011	6190813	8260	ND	ND	ND	4.5 J	ND	4.2 J	970	ND	3400	ND	22 J	4400.7
04/12/2011	6256722	8260	ND	ND	ND	3 J	ND	4.3 J	560	ND	2600	1.8 J	ND	3169.1
07/18/2011	6348763	8260	ND	ND	ND	8.7 J	ND	6.9 J	1300	ND	3100	ND	26	4441.6

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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)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/21/2009	5582430	8260	ND	ND	ND	ND	ND	ND	8.4	ND	55	ND	ND	63.4
04/16/2009	5649166	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	21	ND	ND	23.7
07/13/2009	5722294	8260	ND	ND	ND	ND	ND	ND	62	ND	350	ND	1.4 J	413.4
10/06/2009	5799007	8260	ND	ND	1.2 J	ND	ND	ND	62	6.3	480	ND	1.5 J	551
01/26/2010	5893225	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	29	ND	ND	31.4
04/07/2010	5948424	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	26	ND	ND	29.1
07/21/2010	6039077	8260	ND	ND	ND	ND	ND	ND	44	ND	320	ND	ND	364
10/12/2010	6109760	8260	ND	ND	50	4.4 J	ND	4 J	1000	27	59	ND	150	1294.4
01/24/2011	6190812	8260	ND	ND	ND	ND	ND	ND	16	ND	140	ND	ND	156
04/12/2011	6256725	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	26	ND	ND	28.5
07/20/2011	6352279	8260	ND	ND	ND	ND	ND	ND	13	ND	110	ND	ND	123

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

- 1) Nondetected concentrations have been represented as ND for reporting purposes.
- 2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
- 3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: Quarry Pond														
Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloroethene (ug/L)	Cis-1,2-dichloroethene (ug/L)	1,1,1-Trichloroethane (ug/L)	Trichloroethylene (TCE) (ug/L)	Tetrachloroethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/24/2001	A1375203	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2001	A1A28803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/12/2002	A2351701	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2002	A2708312	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/07/2002	A2999206	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2003	A3329703	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2003	A3983803	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2004	A4331503	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/26/2004	A4A60301	8021	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/05/2005	A5317607	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2005	A5B19701	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/13/2006	6D14002-04	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/10/2006	6J11002-10	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2007	7D05011-06	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
10/11/2007	7J12012-06	8260	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2
04/16/2008	8D16026-02	8260	ND	ND	ND	ND	3 B	ND	ND	ND	ND	ND	ND	3
10/14/2008	5498681	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/20/2009	5651168	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/06/2009	5799014	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/07/2010	5948421	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/19/2010	6116889	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2011	6259037	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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