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August 13, 2014

Mr. Brian Sadowski
NYSDEC
Region 9
270 Michigan Avenue
Buffalo, New York 14203-2399

RE: Second Quarter 2014 Monitoring Report
Former Carborundum Facility, Village of Sanborn, Town of Wheatfield, New York
NYSDEC Site No. 932102

Dear Mr. Sadowski:

On behalf of Atlantic Richfield Company, attached is the Second Quarter 2014 Monitoring Report for the former Carborundum facility in Wheatfield, New York (Site). The report covers activities at the Site from April 1, 2014 through June 30, 2014. The CD enclosed at the end of the report contains an electronic copy of the report in PDF format. The quarterly monitoring data in the EQuIS format will be submitted separately.

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

Sincerely,

George W. Hermance

George W. Hermance
Project Manager

Attachment

cc: W. Barber – ARC
M. Forcucci - NYSDOH
K. Anders – NYSDOH
E. Fulwell – NCCC
K. Scott – Metaullics
R. Locey - NYSDEC
J. Devauld – NCDOH
D.Taylor - Parsons

SECOND QUARTER 2014 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 LA RIVIERE DRIVE, SUITE 350

BUFFALO, NEW YORK 14202

August 2014

Second Quarter 2014 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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August 2014

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

TABLE OF CONTENTS

SECOND QUARTER 2014 MONITORING REPORT FOR GROUNDWATER REMEDIATION PROGRAM AT THE FORMER CARBORUNDUM FACILITY VILLAGE OF SANBORN, TOWN OF WHEATFIELD, NIAGARA COUNTY, NEW YORK

INTRODUCTION

On behalf of the Atlantic Richfield Company (ARC), Parsons conducts ongoing Operations, Monitoring, and Maintenance (OM&M) activities for the groundwater remediation system at the former Carborundum Facility located at 2040 Cory Drive in the Village of Sanborn, Town of Wheatfield, New York (Site). Figure 1 shows the location of the Site. As part of the OM&M activities, quarterly groundwater sampling is scheduled for January, April, July, and October. This report presents the results of the April 2014 groundwater sampling event and provides a summary of the OM&M activities completed between April 1 and June 30, 2014.

The April 2014 groundwater sampling event included static water level measurements prior to purging and the collection of groundwater samples from 23 monitoring wells, six recovery wells, and a surface water sample from the Niagara Quarry in accordance with the NYSDEC-approved (October 2005, amended 2009) sampling program. A sample from the vault water collection influent tank (T-002) was also collected during the quarter. All samples were submitted to Eurofins/Lancaster Laboratories, Inc., a New York State Department of Health certified laboratory, for volatile organic compound (VOC) analysis, and 15 of the samples were submitted for natural attenuation parameter analysis. The locations of the sampled wells are shown in Figure 2. A summary (through June 30, 2014) of the groundwater analytical results from each well in the Top of Rock Zone and Zone 1 is provided in Figure 3. Analytical results for Zones 2, 3, 4, and 5 are shown in Figure 4.

WATER LEVEL MEASUREMENTS

On April 11, 2014, water levels were measured in 56 monitoring wells and six recovery wells. The water levels were measured to the nearest 0.01 feet from the top of the well casing, using an electronic water level meter. The water level meter was decontaminated between measurements at each well. Water level elevations were calculated using the surveyed elevations of the top of well casings and the measured depth to groundwater. Table 1 provides a summary of the water level measurements. Groundwater elevation contours for the Top of Rock Zone and Zone 1 for April 2014 are shown in Figures 5 and 6. Groundwater elevations and resultant flow patterns are consistent with the historical data. Groundwater flow in both the Top of Rock Zone and Zone 1 is generally to the southeast in the northern part of the Site and to the southwest in the southern part of the Site and south of the Site.

GROUNDWATER SAMPLING

The groundwater sampling event was completed between April 14 and April 24, 2014. 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 (20 samples or less). A trip blank was included with each sample cooler. Analytical results for the QA/QC samples are included in Appendix B.

Low-flow sampling methods were employed to collect 15 groundwater samples from monitoring wells for VOCs and natural attenuation parameters (see Table 5). A pneumatically operated bladder pump was placed approximately one to two feet above the well bottom. Groundwater was pumped through an in-line flow cell until groundwater quality readings for indicator parameters (pH, temperature, conductivity, redox, and dissolved oxygen) stabilized. Data collected during purging can be found on the field sampling forms in Appendix A and Table 2. Purge volumes varied from 1 to 19 gallons per well. After the parameters stabilized, the groundwater sample was collected.

The remaining 14 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 for purging method used for each well). During purging, field parameters (pH, specific conductivity, temperature, and turbidity) were measured and recorded (see Table 3). 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 measured again immediately after the sample collection (see Table 3). The recovery wells were analyzed for VOCs only.

All VOC samples were placed in pre-cleaned, labeled 40-ml glass vials provided by the laboratory. 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 April 2014 sampling event were submitted to the laboratory 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 VOC results for this round of groundwater sampling, with the exceptions discussed below, were generally consistent with historical concentrations and are summarized in Table 4. Figures 3 and 4 provide concentration vs time plots with analytical results for the sampling events from January 2001 through April 2014. The April 2014 sampling results have been incorporated into the project water quality database. A historical summary (January 2001 through April 2014) is provided in Appendix C.

Results for the second quarter 2014 groundwater sampling were generally consistent with previous results. Comments are noted below for wells where trends are being evaluated. These wells include B-8M, B-10M, B-13M, B-38M, B-42M, P-4, PW-1, PW-3, and PW-4. Time-series plots and trend analyses for these wells have been included in Appendix C. Historical and current analytical data for all of the wells have been included in Appendix C. The data presented focuses on the Top of Rock and Zone 1.

- B-8M: This well is near a former source area, east of PW-3. In April 2014, total DCE (253.2 ug/L) was the third lowest observed at B-8M and the lowest since April 2004. TCE (7,400 ug/L) was equal to the lowest observed in January 2001. This resulted in the lowest total VOC concentration (7,656 ug/L) observed. This location is scheduled to be sampled again in July 2014. The overall trend for Total VOCs in this well remained steady, with a decreasing trend in total VOCs since 2012.

- B-10M: The April 2014 results showed the second lowest total DCE (1.9 ug/L) and the lowest TCE (19 ug/L) observed at this location. This resulted in the lowest total VOC concentration observed at B-10M (22.7 ug/L). Overall, there is a decreasing trend for total VOCs in this well.

- B-13M: April 2014 VOC analytical results were generally consistent with recent historical data. Total DCE and total VOC concentrations in January 2014 were low compared to historical concentrations. Overall there is a decreasing trend for total VOCs in this well.

- B-38M: The April 2014 TCE analytical result (59 ug/L) was higher than historical concentrations and is consistent with the trend for this parameter. Total VOCs in this well, including TCE, show a decreasing trend verses time. The data will continue to be evaluated for changes in the historical trends.

- B-42M: Total DCE and TCE returned to the range normally encountered at this location in April 2014, after observing concentrations lower than typically observed in January 2014. Overall, there is a decreasing trend for total VOCs in this well.

- P-4: April 2014 concentrations in this recovery well were in the range previously observed. The January 2014 results showed total DCE concentrations below those typically encountered. Overall, observed trends are consistent with historical results.

- PW-1: April 2014 VOC concentrations returned to the range typically observed. Since 2001 there appears to be a decreasing trend in total VOC concentration in this recovery well.

- PW-3: In recovery well PW-3, April 2014 chloroform results (8.5 ug/L) were the highest observed. Total DCE concentrations (64.7 ug/L) were the lowest observed and TCE (430 ug/L) was the third lowest observed. This resulted in the lowest

observed total VOC concentration (507.4 ug/L). Overall, there is a decreasing trend for total VOCs in this well. This recovery well will be sampled again in July 2014.

- PW-4: The April 2014 analytical results showed that the concentration of total DCE (1.7 ug/L) was the lowest observed at this location and TCE (16 ug/L) was the third lowest. This caused the total VOC concentration be the lowest observed (17.7 ug/L). Overall, there is a decreasing trend for total VOCs in this well

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.

MONITORED NATURAL ATTENUATION (MNA) DISCUSSION

Degradation from TCE to DCE appears to occur along the plume length from source areas to offsite areas, as observed by inversion of TCE:DCE ratios from source areas to downgradient areas (TCE is higher than DCE in the source area and DCE is higher than TCE in downgradient areas). DCE degradation to VC is either low or exceeded by VC degradation as concentrations of VC are considerably lower than DCE throughout the site and offsite areas. Final degradation products (ethene and ethane) are present at low levels in some source area locations, but away from the sources areas these parameters are either not detected or not analyzed for (see Table 5). In downgradient areas, DCE is the predominant parameter, indicating that degradation is occurring but the anaerobic biodegradation pathway to VC is incomplete. Furthermore, there appears to be an increase in TCE and decrease in DCE in the farthest downgradient location (B38M), indicating that natural attenuation mechanisms may be less effective than in the past. Geochemical parameters indicate that anaerobic biodegradation is limited by low dissolved organic carbon (DOC). In source area locations (B-8M and B-17M) there are minor levels of DOC (<15 mg/L), which appear to sustain some biotransformation, but this appears to be exhausted outside of the area near the well. In summary, natural attenuation is occurring throughout the length of the plume, but is limited to small areas of anaerobic biodegradation and site-wide non-anaerobic degradation mechanisms such as: abiotic degradation, dispersion, and potentially aerobic degradation.

SUMMARY OF OPERATIONS AND MAINTENANCE ACTIVITY

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

- Addressed issues related to Metaullics loss of heat transfer oil into Vault 3, and subsequently into the treatment system, including carbon surveillance sampling.
- Replaced pump in Vault 3.
- Replaced PW-3 pump end.
- Responded to two alarms related to plugging in line from Vault 3.
- Responded to alarm related to a failing pump in Vault 3, pump was replaced.

- Responded to alarm related to the pump float being stuck in Vault 3.
- Repaired pump floats in Vault 1.
- Provided oversight of soils exaction for Metaullics paving project. Sampled segregated soils for potential disposal waste profiling.
- Replaced failed underground signal cable to well P-4.
- Completed pumping well redevelopment at each of the six pumping wells.
- Responded to alarm due to temporary power generator failure. An entire new unit was used to replace the power generator.
- The plant main power feed was lost last quarter. A temporary power generator was connected to the treatment system and operations resumed. Permanent repairs are being arranged for the third quarter of 2014.

EFFLUENT AND PERMIT COMPLIANCE ISSUES

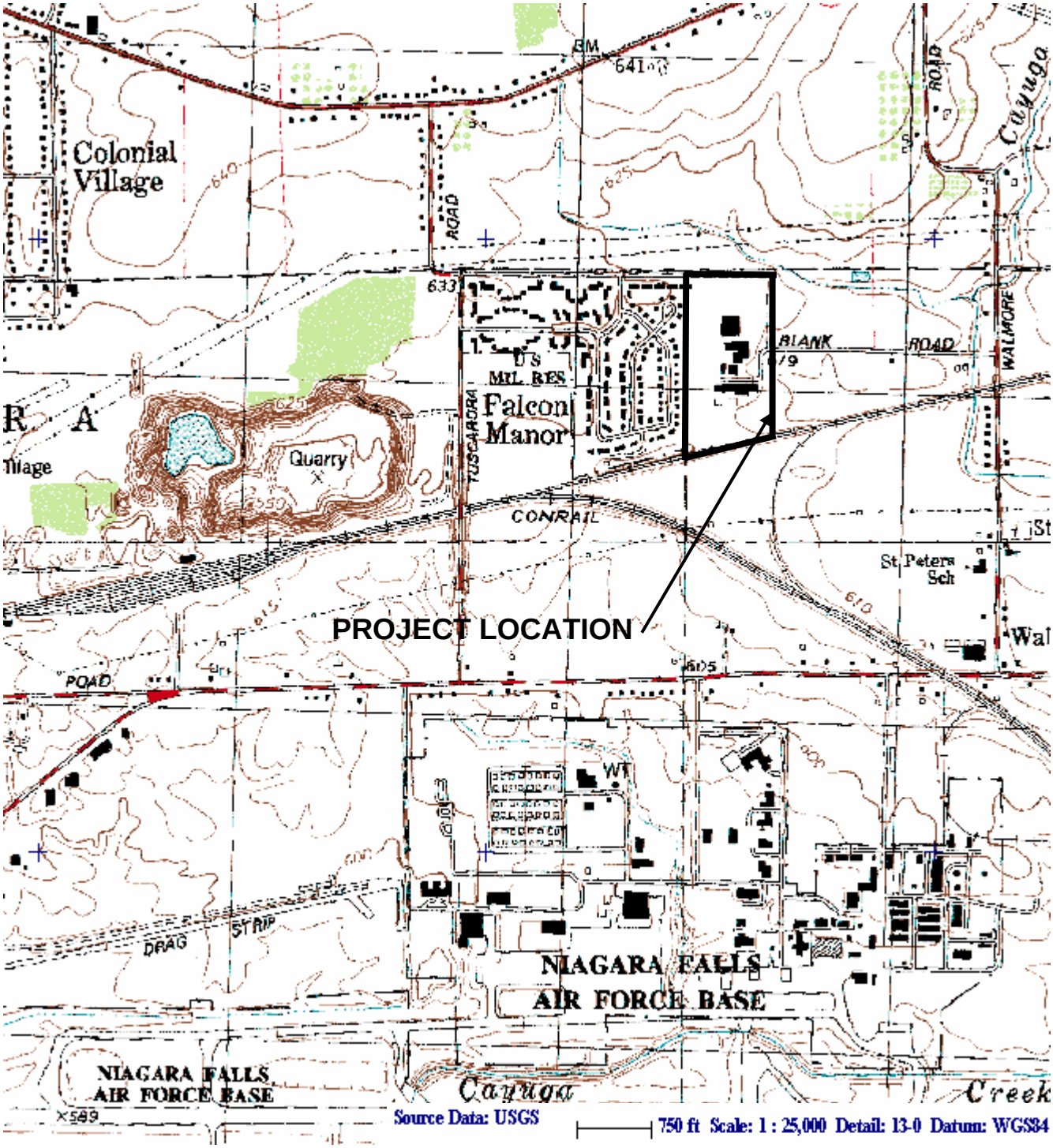
During the reporting period, approximately 5.08 million gallons of groundwater were recovered and treated including water from the vaults in the Metaullics facility. Treated groundwater was discharged to Cayuga Creek under SPDES permit NY0001988. The SPDES permit authorizes discharge through March 31, 2017. The average pumping rate from the system was approximately 39.0 gallons per minute (gpm) during the reporting period. The total extracted mass of VOCs during the second quarter of 2014 was 25.1 pounds. The extracted mass was estimated using individual well pumping rates and analytical results. Table 5 provides the GRS performance data for the quarter. The GRS uptime (hours during quarter that the GRS was operational/total hours during quarter) for the quarter was 99 percent.

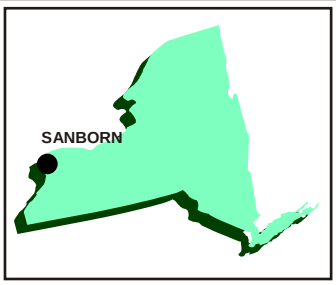
Effluent samples were collected at the outfall (OU1) inside the treatment building. Monthly discharge monitoring reports (DMRs) were provided to NYSDEC, in compliance with the SPDES permit (NY0001988). The DMRs documented the analytical results from the effluent samples. All analytical results were compliant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

SUMMARY AND CONCLUSIONS

- Groundwater concentrations are consistent with recent data, with comments provided for B-8M, B-10M, B-13M, B-38M, B-42M, P-4, PW-1, PW-3, and PW-4.
- Groundwater elevations and flow paths were consistent with historical patterns.
- Based on the data review described in this report, the laboratory analytical data are considered valid for their intended use.
- Monthly DMRs were provided to NYSDEC. The discharge data were within the compliance parameters for each monthly reporting period.
- 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 99 percent.

FIGURES





New York
Quadrangle

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

N

SOURCE: DeLORME 3-D
TOPOQUAD PROGRAM

FIGURE 1

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SANBORN, NEW YORK

PROJECT LOCATION PLAN

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N

B-15M B-60M B-59M B-61M B-67M B-66M B-64M B-63M B-62M B-65M B-16M B-41M B-10M B-40M B-39M B-11M B-14M B-7M B-9M PW-3 PW-2 B-18M B-8M B-21M PW-4 P-2 B-3M B-27M P-3 B-44M PW-1 B-43M B-17M B-42M B-37M B-12M B-54M B-52M B-53M B-55M B-50M B-6M B-51M B-20M B-48M P-4 B-13M B-49M B-19M B-22M B-28M B-5M B-4M B-23M B-31M B-29M B-25M B-26M B-24M B-57M B-56M B-58M B-38M B-45M B-46M B-30M B-32M B-33M

NOTE: PW-4 located through on-screen digitization, and approximately 3 feet accurate.

Legend

- MONITORING WELL
- MONITORING WELL, ABANDONED
- PUMPING WELL
- PUMPING WELL, ABANDONED

200 100 0 200 400 600
Feet

FILE NAME: P:\SANBORN\448569 SANBORN O&M 2014\CAD_GIS\Q2\FIGURE 2 - SITE PLAN.MXD

PARSONS
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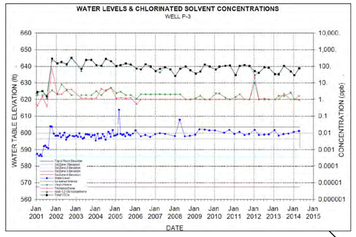
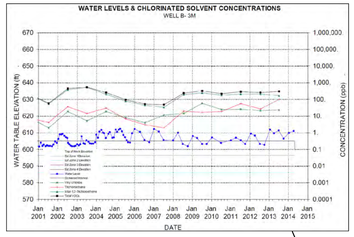
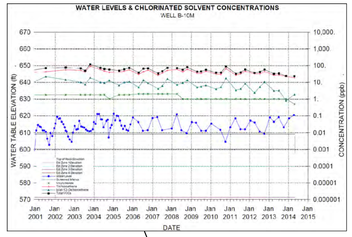
BUFFALO, NEW YORK 14202
716-541-0730

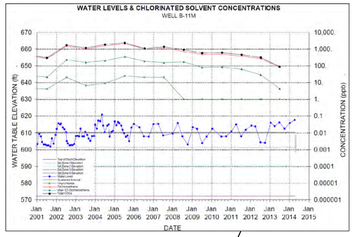
FIGURE 2

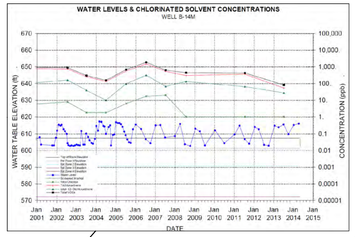
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SITE PLAN

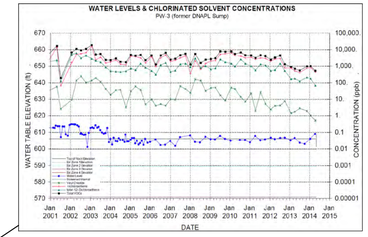


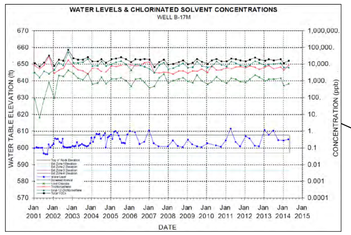


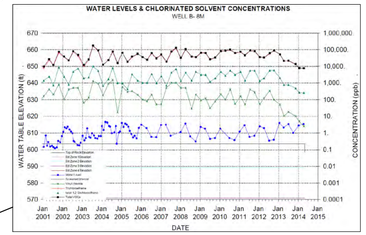


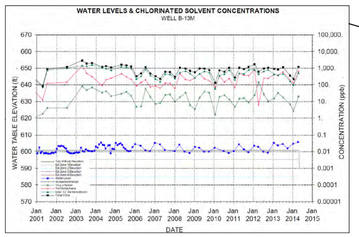


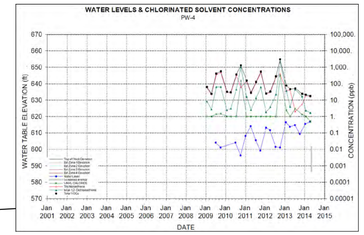


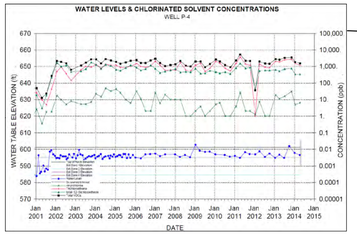


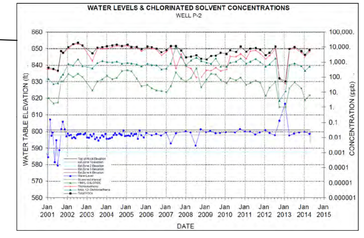


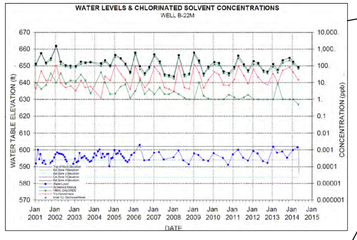


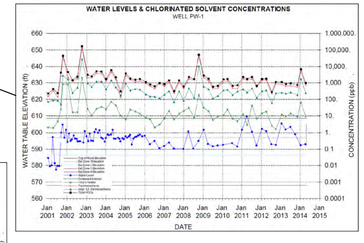


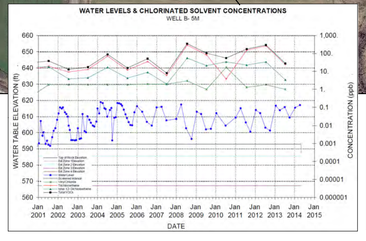


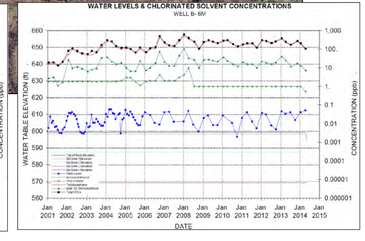


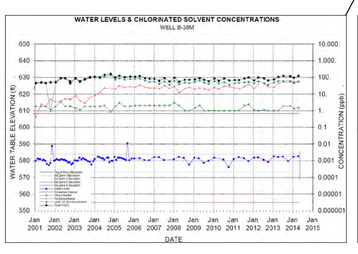


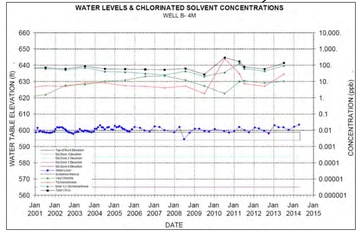


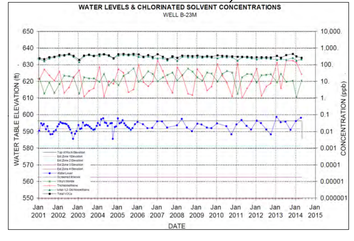


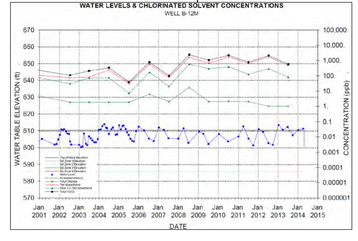


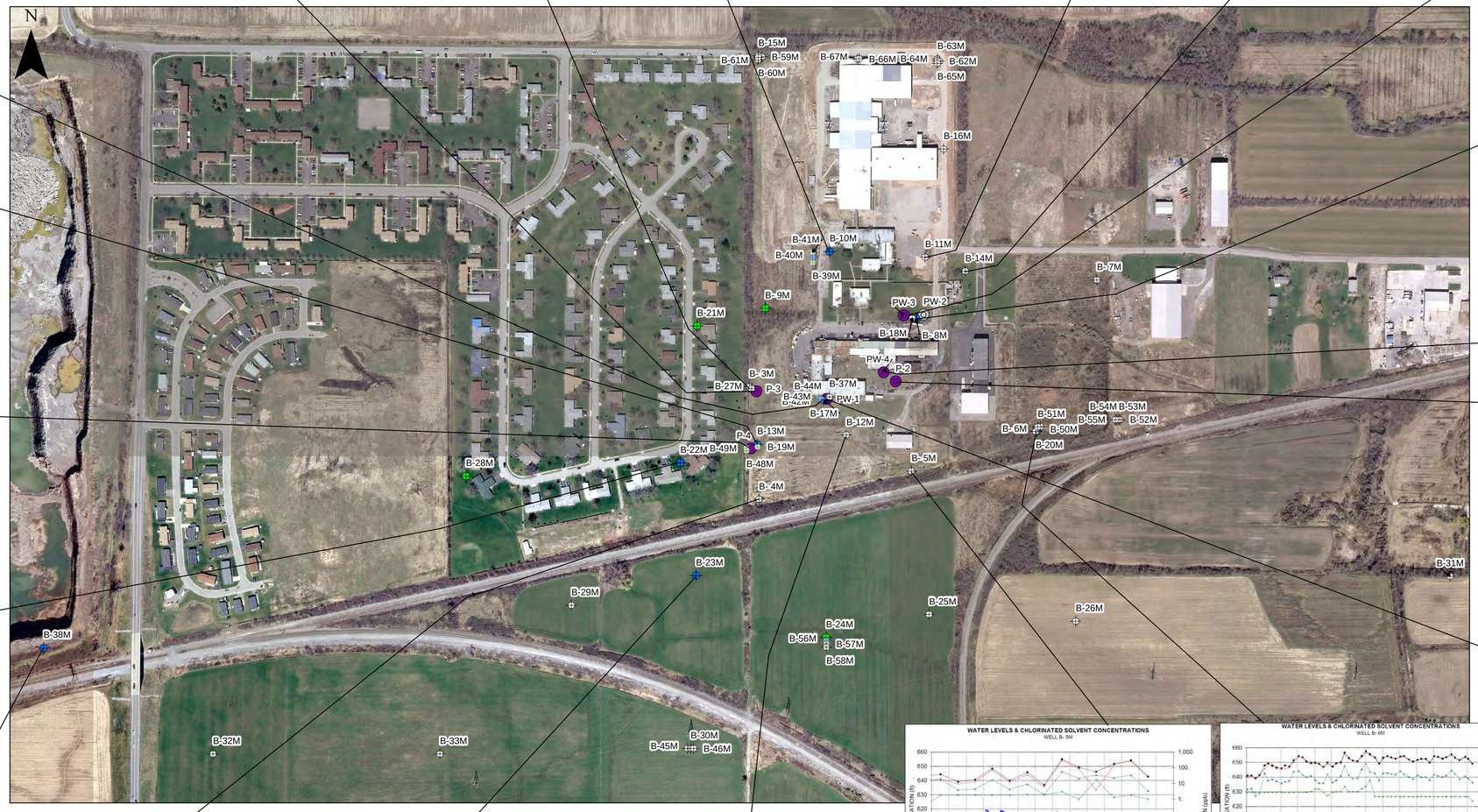












NOTE: PW-4 located through on-screen digitization, and approximately 3 feet accurate.

Legend

- MONITORING WELL, TOTAL VOCS >20 ug/L
- MONITORING WELL, TOTAL VOCS < 20 ug/L
- MONITORING WELL, NOT SAMPLED
- MONITORING WELL, ABANDONED
- MONITORING WELL, TOTAL VOCS > 20 ug/L (SEE FIGURE 4)
- MONITORING WELL, TOTAL VOCS < 20 ug/L (SEE FIGURE 4)
- PUMPING WELL
- PUMPING WELL, ABANDONED

- Top of Rock Elevation
- Est Zone 1 Elevation
- Est Zone 2 Elevation
- Est Zone 3 Elevation
- Est Zone 4 Elevation
- Water Level
- Screened Interval
- Vinyl chloride
- Trichloroethene
- total- 1,2- Dichloroethene
- Total VOCs

250 125 0 250 500 750 Feet

PARSONS
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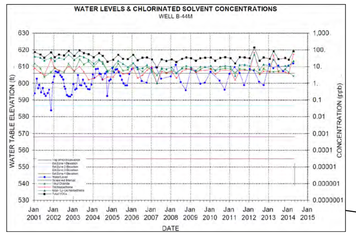
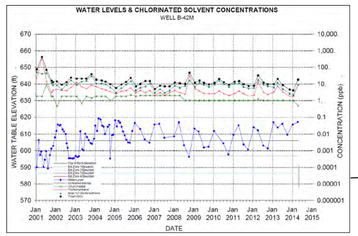
716-541-0730

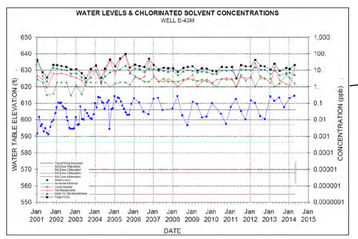
FIGURE 3

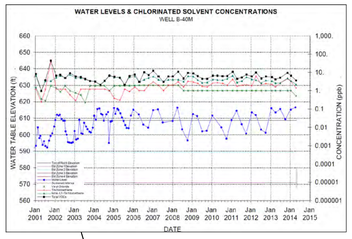
ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN
TOP OF ROCK AND ZONE 1
APRIL 2014 QUARTERLY SAMPLING EVENT

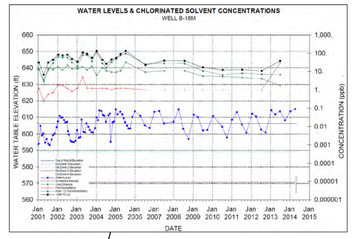
FILE NAME: P:\SANBORN\448569 SANBORN O&M 2014\CAD_GIS\Q2\FIGURE 3 - TOR-Z1 VOCs APR 2014.MXD

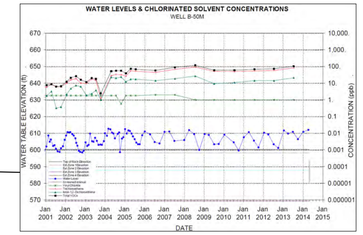


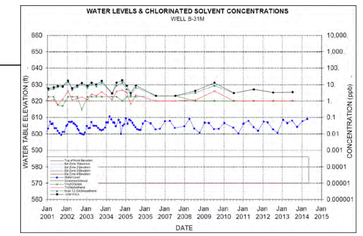


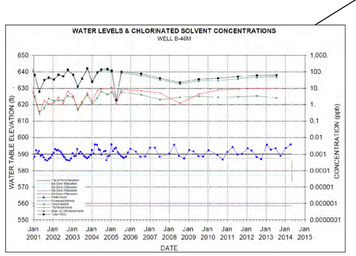


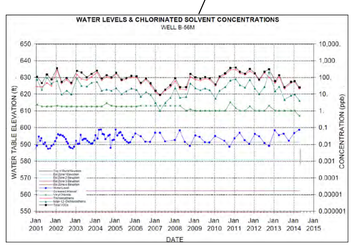












NOTE: PW-4 located through on-screen digitization, and approximately 3 feet accurate.

Legend

- MONITORING WELL, TOTAL VOCS > 20 ug/L
- MONITORING WELL, TOTAL VOCS < 20 ug/L
- MONITORING WELL, NOT SAMPLED
- MONITORING WELL, ABANDONED
- MONITORING WELL, TOTAL VOCS > 20 ug/l (SEE FIGURE 3)
- MONITORING WELL, TOTAL VOCS < 20 ug/L (SEE FIGURE 3)
- PUMPING WELL
- PUMPING WELL, ABANDONED

- Top of Rock Elevation
- Est Zone 1 Elevation
- Est Zone 2 Elevation
- Est Zone 3 Elevation
- Est Zone 4 Elevation
- Water Level
- Screened Interval
- Vinyl chloride
- Trichloroethene
- total- 1,2- Dichloroethene
- Total VOCs

250 125 0 250 500 750 Feet

FILE NAME: P:\SANBORN\448569 SANBORN O&M 2014\CAD_GIS\Q2\FIGURE 4 - Z2-Z5 VOCs APR 2014.MXD

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

FIGURE 4

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
SUMMARY OF VOC ANALYTICAL RESULTS IN ZONES 2, 3, 4 & 5
APRIL 2014 QUARTERLY SAMPLING EVENT

N

B-15M
B-16M
B-10M
B-14M
B-7M
B-9M
PW-3
B-8M
B-21M
PW-4
P-2
B-3M
B-27M
P-3
PW-1
B-37M
B-17M
B-52M
B-6M
B-12M
P-4
B-13M
B-22M
B-5M
B-4M
B-23M
B-25M
B-26M
B-24M
620
618
616
614
612
610
608
606
604
602
600

NOTE: PW-4 located through on-screen digitization, and approximately 3 feet accurate.

Legend

- MONITORING WELL
- RECOVERY WELL
- RECOVERY WELL, NOT CONTOURED
- RECOVERY WELL, OFF
- GROUNDWATER ELEVATION CONTOUR

200 100 0 200 400 600 Feet

FILE NAME: P:\SANBORN\448569 SANBORN O&M 2014\CAD_GIS\Q2\FIGURE 5 - TOR GWE APR 2014.MXD

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

FIGURE 5

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
TOP OF ROCK - APRIL 11, 2014

N

B-15M 619.88
B-67M 618.39
B-63M 617.8
B-16M 617.41
B-10M 620.34
B-11M 617.65
PW-3 614.42
B-8M 615.42
B-21M 617.16
PW-4 616.94
P-2 602.77
B-27M 616.66
P-3 NA
PW-1 600.08
B-17M 605.05
B-52M 611.94
B-6M 612.36
B-13M 605.79
P-4 599.75
B-22M 601.54
B-28M 601.77
B-23M 598.18
B-29M 595.43
B-26M 611.75
B-24M 608.67
B-38M 582.71
B-32M 590.25
B-33M 595.11
B-45M 596.46

NOTE: PW-4 located through on-screen digitization, and approximately 3 feet accurate.

Legend

- MONITORING WELL
- RECOVERY WELL
- RECOVERY WELL, NOT CONTOURED
- RECOVERY WELL, OFF
- GROUNDWATER ELEVATION CONTOUR

200 100 0 200 400 600 Feet

FILE NAME: P:\SANBORN\448569 SANBORN O&M 2014\CAD_GIS\Q2\FIGURE 6 - ZONE1 GWE APR 2014.MXD

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

FIGURE 6

ATLANTIC RICHFIELD COMPANY
FORMER CARBORUNDUM FACILITY
GROUNDWATER ELEVATION
ZONE 1 - APRIL 11, 2014

TABLES

TABLE 1
MONTHLY GROUNDWATER ELEVATION DATA
APRIL 2014
THE FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Monitoring Well I.D.	Date	Top of Riser Elevation (ft)	Water Level (ft)	Groundwater Elevation (ft)	Remarks
P-2	04/11/14	619.67	20.98	598.69	
P-3	04/11/14	627.35	26.16	601.19	
P-4	04/11/14	624.45	27.77	596.68	
PW-1	04/11/14	619.78	26.92	592.86	
PW-3	04/11/14	618.28	9.21	609.07	
PW-4	04/11/14	620.84	3.9	616.94	
B-3M	04/11/14	625.59	14.46	611.13	
B-4M	04/11/14	622.24	18.82	603.42	needs new lock
B-5M	04/11/14	620.83	3.68	617.15	
B-6M	04/11/14	615.69	3.33	612.36	
B-7M	04/11/14	616.22	3.27	612.95	
B-8M	04/11/14	618.57	3.15	615.42	
B-9M	04/11/14	623.03	5.09	617.94	
B-10M	04/11/14	626.05	5.71	620.34	needs new lock
B-11M	04/11/14	622.81	5.16	617.65	
B-12M	04/11/14	622.17	10.73	611.44	
B-13M	04/11/14	626.70	20.91	605.79	
B-14M	04/11/14	618.25	2.15	616.10	
B-15M	04/11/14	623.98	4.10	619.88	
B-16M	04/11/14	624.31	6.90	617.41	
B-17M	04/11/14	622.07	17.02	605.05	
B-18M	04/11/14	618.69	3.79	614.90	
B-19M	04/11/14	626.01	14.75	611.26	
B-20M	04/11/14	615.32	4.35	610.97	
B-21M	04/11/14	622.56	5.40	617.16	
B-22M	04/11/14	622.29	20.75	601.54	
B-23M	04/11/14	617.71	19.53	598.18	
B-24M	04/11/14	617.24	8.57	608.67	
B-25M	04/11/14	619.31	8.68	610.63	
B-26M	04/11/14	618.06	6.31	611.75	
B-27M	04/11/14	626.04	9.38	616.66	
B-28M	04/11/14	622.62	20.85	601.77	
B-29M	04/11/14	618.31	22.88	595.43	
B-31M	04/11/14	613.78	4.75	609.03	
B-32M	04/11/14	619.35	29.10	590.25	
B-33M	04/11/14	612.43	17.32	595.11	
B-37M	04/11/14	616.90	2.60	614.30	
B-38M	04/11/14	609.81	27.10	582.71	
B-39M	04/11/14	626.12	8.67	617.45	
B-40M	04/11/14	626.23	9.62	616.61	
B-41M	04/11/14	626.31	12.31	614.00	
B-42M	04/11/14	623.76	6.62	617.14	
B-43M	04/11/14	623.64	9.21	614.43	
B-44M	04/11/14	623.29	11.51	611.78	
B-45M	04/11/14	612.12	15.66	596.46	
B-46M	04/11/14	613.46	17.53	595.93	
B-48M	04/11/14	625.40	8.63	616.77	
B-49M	04/11/14	625.56	19.77	605.79	
B-50M	04/11/14	616.47	4.43	612.04	
B-51M	04/11/14	616.48	2.38	614.10	damaged
B-52M	04/11/14	616.26	4.32	611.94	
B-53M	04/11/14	616.14	4.21	611.93	
B-54M	04/11/14	616.00	4.18	611.82	
B-55M	04/11/14	615.59	19.08	596.51	
B-56M	04/11/14	617.78	19.10	598.68	
B-57M	04/11/14	617.80	20.92	596.88	
B-58M	04/11/14	617.99	19.02	598.97	
B-59M	04/11/14	625.53	17.15	608.38	
B-60M	04/11/14	625.67	8.35	617.32	
B-61M	04/11/14	625.72	7.52	618.20	
B-62M	04/11/14	624.14	0.00	624.14	
B-63M	04/11/14	624.04	6.24	617.80	
B-64M	04/11/14	624.05	6.31	617.74	
B-65M	04/11/14	623.98	7.61	616.37	
B-66M	04/11/14	625.54	7.41	618.13	
B-67M	04/11/14	625.59	7.2	618.39	

TABLE 2
MONITORING WELL GROUNDWATER PURGING DATA
APRIL 2014 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	4/14/14	13:55	619.67								Pumping well
P-3	4/15/14	8:45	627.35								Pumping well
P-4	4/15/14	9:20	624.45								Pumping well
PW-1	4/14/14	8:30	619.78								Pumping well
PW-3	4/14/14	14:25	618.28								Pumping well
PW-4	4/14/14	14:15	618.28								Pumping well
B-6M	4/14/14	12:10	615.69	4.01	611.68	19.10	15.09	2.57	13	4	
B-8M	4/15/14	12:50	618.57	3.11	615.46	17.80	14.69	2.50	~2.5	5	
B-9M	4/14/14	12:45	623.03	4.86	618.17	21.16	16.30	2.77	14	4	
B-10M	4/22/14	13:30	622.56	6.21	616.35	27.91	21.70	3.69	2	5	
B-13M	4/23/14	8:10	617.20	21.08	596.12	36.02	14.94	2.54	~3	5	
B-17M	4/16/14	8:10	622.07	17.20	604.87	26.02	8.82	1.50	2.5	5	
B-19M	4/24/14	9:50	626.01	15.80	610.21	26.11	10.31	1.75	~1	5	
B-21M	4/14/14	9:50	622.56	5.70	616.86	26.48	20.78	3.50	13.5	4	
B-22M	4/24/14	11:30	617.71	21.70	596.01	35.95	14.25	2.42	1.5	5	
B-23M	4/24/14	8:15	617.71	20.76	596.95	31.68	10.92	1.86	1.5	5	
B-24M	4/15/14	10:35	617.20	8.26	608.94	26.66	18.40	8.10	12	4	
B-28M	4/14/14	16:00	622.62	21.65	600.97	34.60	12.95	2.20	11	4	
B-38M	4/14/14	8:55	609.81	27.08	582.73	41.25	14.17	2.40	9.6	4	
B-39M	4/22/14	11:50	626.12	9.20	616.92	44.90	35.70	6.07	3	5	
B-40M	4/22/14	10:00	626.23	10.51	615.72	57.93	47.42	8.06	~3	5	
B-41M	4/22/14	8:15	626.31	13.25	613.06	72.68	59.43	10.10	~1.25	5	
B-42M	4/16/14	13:40	623.76	6.72	617.04	45.40	38.68	6.58	~2	5	
B-43M	4/16/14	11:40	623.64	9.40	614.24	58.84	49.44	8.40	~2	5	
B-44M	4/16/14	9:50	623.29	12.00	611.29	80.45	68.45	11.63	1.75	5	
B-48M	4/23/14	9:35	625.40	9.38	616.02	46.86	37.48	6.40	3.5	5	
B-49M	4/23/14	11:25	625.56	20.65	604.91	83.48	62.83	10.50	2	5	
B-56M	4/15/14	9:40	617.78	19.54	598.24	39.61	20.07	3.40	14	5	
B-57M	4/15/14	9:15	617.80	21.91	595.89	50.55	28.64	4.86	13	4	
Quarry Pond	4/14/14	8:35	NA	NA	NA	NA	NA	NA	NA	NA	Surface water sample

Purge Codes: 1 - Sample port purged prior to sampling.
2 - Dedicated stainless steel bailer.
3 - Peristaltic pump.
4 - Disposable polyethylene bailer.
5 - Purge pump.

NS - Not Sampled
NA - Not Available

TABLE 3
MONITORING WELL GROUNDWATER SAMPLING DATA
APRIL 2014 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Monitoring Well ID	Date	Time	pH (standard units)	Specific Conductance (uS/cm)	Temperature (deg F)	Turbidity (NTU)	Remarks
P-2	4/14/14	13:55	6.37	0.95	53.5	6.01	Pumping well
P-3	4/15/14	8:45	6.75	1.29	52.2	17.9	Pumping well
P-4	4/15/14	9:20	6.71	0.94	49.8	8.22	Pumping well
PW-1	4/14/14	8:30	6.57	0.70	51.1	1.40	Pumping well
PW-3	4/14/14	14:25	6.57	1.16	50.7	3.5	Pumping well
PW-4	4/14/14	14:15	6.51	0.63	53.2	75.6	Pumping well
B-6M	4/14/14	12:10	7.25	1.18	50.1	119	
B-8M	4/15/14	12:50	7.11	0.781	7.0	11	Ferrous Iron = 0 mg/L, Akalinity = 180 mg/L
B-9M	4/14/14	12:45	6.75	0.44	46.3	55.5	
B-10M	4/22/14	13:30	6.85	1.14	10.8	12.27	Ferrous Iron = 0 mg/L, Akalinity = 280 mg/L
B-13M	4/23/14	8:10	6.74	1.34	9.4	2.60	Ferrous Iron = 0 mg/L, Akalinity = 260 mg/L
B-17M	4/16/14	8:10	6.98	0.866	10.3	2.11	Ferrous Iron = 0.6 mg/L, Akalinity = 180 mg/L
B-19M	4/24/14	9:50	7.47	3.49	11.5	1.04	Ferrous Iron = 0 mg/L, Akalinity = 320 mg/L
B-21M	4/14/14	9:50	6.55	1.07	56.9	15.8	
B-22M	4/24/14	11:30	6.92	2.94	14.7	1.17	Ferrous Iron = 0 mg/L, Akalinity = 260 mg/L
B-23M	4/24/14	8:15	6.93	2.88	10.6	37.3	Ferrous Iron = 0.6 mg/L, Akalinity = 280 mg/L
B-24M	4/15/14	10:35	7.95	0.72	40.0	9	
B-28M	4/14/14	16:00	6.86	0.98	55.4	121	
B-38M	4/14/14	8:55	7.0	53.0	1.2	17.2	
B-39M	4/22/14	11:50	6.87	0.725	11.9	2.13	Ferrous Iron = 0 mg/L, Akalinity = 240 mg/L
B-40M	4/22/14	10:00	6.81	1.04	11.8	2.29	Ferrous Iron = 0 mg/L, Akalinity = 300 mg/L
B-41M	4/22/14	8:15	6.96	0.321	10.5	2.11	Ferrous Iron = 0 mg/L, Akalinity = 240 mg/L
B-42M	4/16/14	13:40	6.89	0.794	8.6	1.43	Ferrous Iron = 0 mg/L, Akalinity = 180 mg/L
B-43M	4/16/14	11:40	7.30	1.43	8.1	1.56	Ferrous Iron = 0 mg/L, Akalinity = 165 mg/L
B-44M	4/16/14	9:50	7.31	2.65	9.0	2.89	Ferrous Iron = 0 mg/L, Akalinity = 300 mg/L
B-48M	4/23/14	9:35	6.69	0.748	7.8	1.05	Ferrous Iron = 0 mg/L, Akalinity = 300 mg/L
B-49M	4/23/14	11:25	6.87	2.88	5.9	5.95	Ferrous Iron = 0 mg/L, Akalinity = 200 mg/L
B-56M	4/15/14	9:40	8.2	1.10	47.1	7	
B-57M	4/15/14	9:15	7.7	1.83	47.5	1	
Quarry Pond	4/14/14	8:35	7.28	1.34	59.5	3.81	

TABLE 4
MONITORING WELL GROUNDWATER ANALYTCIAL RESULT SUMMARY
APRIL 2014 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
SANBORN, NEW YORK

Well Id	Lab Sample ID	Sample Date	Carbon Tetrachloride ug/l	Chloroform ug/l	1,1-Dichloroethane ug/l	1,1-Dichloroethene ug/l	Methylene chloride ug/l	trans-1,2-Dichloroethene ug/l	cis-1,2-Dichloroethene ug/l	total-1,2-Dichloroethene ug/l	1,1,1-Trichloroethane ug/l	Trichloroethene ug/l	Vinyl chloride ug/l	Tetrachloroethene ug/l
P-2	7430456	4/14/2014	< 2.5	< 2.5	94	27	< 10	4.7 J	490	494.7	790	4900	6.2	< 2.5
P-3	7432587	4/15/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	2	71	73	< 0.5	1.6	0.94 J	< 0.5
P-4	7432586	4/15/2014	< 0.5	< 0.5	11	4.2	< 2	5.7	330	335.7	6.5	1200	6.5	1.5
PW-1	7432588	4/15/2014	< 0.5	< 0.5	5.8	1.7	< 2	1.8	240	241.8	1.9	710	9.4	0.72 J
PW-3	7430458	4/14/2014	< 0.5	8.5	< 0.5	< 0.5	< 2	0.65 J	64	64.65	< 0.5	430	< 0.5	4.2
PW-4	7430457	4/14/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.7	1.7	< 0.5	16	< 0.5	< 0.5
B- 6M	7430454	4/14/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7.3	7.3	< 0.5	100	< 0.5	< 0.5
B- 8M	7432590	4/15/2014	< 2.5	< 2.5	< 2.5	< 2.5	< 10	3.2 J	250	253.2	< 2.5	7400	< 2.5	2.7 J
B- 9M	7430455	4/14/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
B-10M	7439163	4/22/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.9	1.9	1.8	19	< 0.5	< 0.5
B-13M	7440680	4/23/2014	< 0.5	< 0.5	12	4.5	< 2	5.8	510	515.8	2.9	650	20	1.4
B-13M	7440682	4/23/2014	< 0.5	< 0.5	12	4.4	< 2	5.8	510	515.8	3	640	20	1.4
B-17M	7433449	4/16/2014	< 5	< 5	77	39	< 20	34	6300	6334	17	8300	660	7.7 J
B-19M	7442061	4/24/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	1.6	1.6	< 0.5	< 0.5	< 0.5	< 0.5
B-21M	7430450	4/14/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
B-22M	7442065	4/24/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	2.6	67	69.6	< 0.5	14	< 0.5	< 0.5
B-23M	7442060	4/24/2014	< 0.5	< 0.5	1.2	0.62 J	< 2	1 J	210	211	< 0.5	27	11	< 0.5
B-24M	7432582	4/15/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.3	3.3	< 0.5	5.2	< 0.5	< 0.5
B-28M	7430453	4/14/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
B-38M	7430447	4/14/2014	< 0.5	< 0.5	0.92 J	0.83 J	< 2	1.4	55	56.4	< 0.5	59	1.5	< 0.5
B-39M	7439162	4/22/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.6	2.6	< 0.5	7.5	< 0.5	< 0.5
B-40M	7439161	4/22/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	2.2	2.2	< 0.5	1.4	< 0.5	< 0.5
B-41M	7439160	4/22/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	7.9	7.9	< 0.5	< 0.5	0.84 J	< 0.5
B-42M	7433452	4/16/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	1	7.8	8.8	< 0.5	9.3	< 0.5	< 0.5
B-43M	7433451	4/16/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	5.2	5.2	< 0.5	13	1.5	< 0.5
B-44M	7433450	4/16/2014	< 0.5	< 0.5	6.3	< 0.5	< 2	0.6 J	20	20.6	< 0.5	53	2.7	< 0.5
B-48M	7440681	4/23/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	3.3	< 0.5	< 0.5
B-49M	7440683	4/23/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	1.6	< 0.5	< 0.5
B-56M	7432581	4/15/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	3.9	3.9	< 0.5	21	< 0.5	< 0.5
B-57M	7432580	4/15/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Quarry Pond	7430448	4/14/2014	< 0.5	< 0.5	< 0.5	< 0.5	< 2	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
T-002	7432589	4/15/2014	< 0.5	< 0.5	14	2.4	< 2	2.3	440	442.3	23	450	38	3.8

TABLE 5
NATURAL ATTENUATION ANALYTICAL RESULT SUMMARY
APRIL 2014 QUARTERLY SAMPLING EVENT
FORMER CARBORUNDUM COMPANY
WHEATFIELD, NEW YORK

Compound	UNITS	B- 8M	B-10M	B-13M	B-17M	B-19M	B-22M	B-23M	B-39M	B-40M	B-41M	B-42M	B-43M	B-44M	B-48M	B-49M
BOD	mg/l	< 3.8	< 5.1	< 2.9	< 4.4	< 4.1	< 5.5	< 3.9	< 4.0	< 3.9	< 3.2	< 3.7	10.2	< 4.4	22.2	< 4.9
CHLORIDE (AS CL)	mg/l	65.7	42.3	79.7	75.1	143	95.8	64.3	47.2	60.2	91.4	62.9	73.9	97.0	28.7	251
COD	mg/l	14.5 J	< 12.8	30.4 J	< 12.8	< 12.8	< 12.8	14.5 J	< 12.8	< 12.8	< 12.8	< 12.8	32.7 J	< 12.8	66.9	37.3 J
DISSOLVED ORGANIC CARBON	mg/l	0.91 J	1.9	4.7	2.1	2.2	2.3	1.9	1.6	1.2	1.8	1.0	0.81 J	2.2	1.5	2.3
IRON	mg/l	0.567	0.286	6.89	0.0388 J	< 0.0141	0.909	0.0763 J	0.971	0.399	< 0.0141	< 0.0141	0.0708 J	< 0.0141	0.0188 J	0.573
MANGANESE	mg/l	0.0060	0.0336	0.136	0.0210	0.0021 J	0.0276	0.0095	0.0203	0.0144	0.0105	0.0113	0.0080	0.0127	0.0157	0.122
NITROGEN, NITRATE (AS N)	mg/l	0.74	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	1.3	0.30 J	< 0.25	0.86	< 0.25	< 0.25	0.71	< 0.25	< 0.25
NITROGEN, NITRITE	mg/l	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40	< 0.40
SULFATE (AS SO4)	mg/l	98.7	1540	241	626	311	332	195	308	201	104	517	1650	168	1730	135

TABLE 6
SECOND QUARTER 2014
GROUNDWATER REMEDIATION SYSTEM PERFORMANCE SUMMARY
Former Carborundum Facility
Sanborn, New York

Well	Category	Units	January 2014	February 2014	March 2014	April 2014	May 2014	June 2014
		Days	31	28	17	30	31	30
P-2								
	Uptime	(%)	100%	99%	35%	100%	99%	99%
	Average Flow	(gpm)	1.95	1.88	2.53	2.05	1.32	1.72
	Total Flow	(gal)	49694	77952	59998	88333	58411	73607
	VOC Concentration	(ppb)	2766	2766	2766	5401	5401	5401
	Total Contaminant Removed	(lbs)	1.1	1.8	1.4	4.0	2.6	3.3
	% of Total Flow		3.00%	4.36%	4.67%	3.22%	2.96%	3.09%
P-3								
	Uptime	(%)	100%	99%	35%	100%	97%	99%
	Average Flow	(gpm)	0.22	0.01	0.02	0.02	0.02	0.08
	Total Flow	(gal)	30897	583	406	1032	1061	3465
	VOC Concentration	(ppb)	28	28	28	76	76	76
	Total Contaminant Removed	(lbs)	0.0	0.0	0.0	0.0	0.0	0.0
	% of Total Flow		1.86%	0.03%	0.03%	0.04%	0.05%	0.15%
P-4								
	Uptime	(%)	100%	99%	52%	100%	95%	99%
	Average Flow	(gpm)	0.88	0.54	0.94	1.53	1.29	0.95
	Total Flow	(gal)	48404	13739	21940	65730	54569	40715
	VOC Concentration	(ppb)	1842	1842	1842	1544	1544	1544
	Total Contaminant Removed	(lbs)	0.7	0.2	0.3	0.8	0.7	0.5
	% of Total Flow		2.92%	0.77%	1.71%	2.40%	2.77%	1.71%
PW-1								
	Uptime	(%)	100%	99%	35%	100%	98%	99%
	Average Flow	(gpm)	30.11	40.70	42.25	55.26	39.35	48.35
	Total Flow	(gal)	1362735	1606284	1106894	2380448	1726999	2064153
	VOC Concentration	(ppb)	6476	6476	6476	962	962	962
	Total Contaminant Removed	(lbs)	73.6	86.8	59.8	19.1	13.9	16.6
	% of Total Flow		82.23%	89.90%	86.15%	86.74%	87.52%	86.57%
PW-3								
	Uptime	(%)	100%	96%	33%	100%	99%	99%
	Average Flow	(gpm)	1.36	1.74	2.81	3.82	2.37	3.60
	Total Flow	(gal)	75552	61231	68096	164701	104882	154744
	VOC Concentration	(ppb)	974	974	974	499	499	499
	Total Contaminant Removed	(lbs)	0.6	0.5	0.6	0.7	0.4	0.6
	% of Total Flow		4.56%	3.43%	5.30%	6.00%	5.32%	6.49%
Vaults								
	Uptime	(%)	100%	100%	30%	100%	100%	100%
	Average Flow	(gpm)	2.02	0.67	1.12	1.02	0.61	1.10
	Total Flow	(gal)	89962	27030	27475	44100	27300	47675
	VOC Concentration	(ppb)	1602	1602	1602	934	934	934
	Total Contaminant Removed	(lbs)	1.2	0.4	0.4	0.3	0.2	0.4
	% of Total Flow		5.43%	1.51%	2.14%	1.61%	1.38%	2.00%
GRS Total								
	Uptime	(%)	100%	99%	36%	100%	98%	99%
	Average Flow	(gpm)	29.74	31.45	32.02	45.45	35.85	35.63
	Total Flow-Mechanical Effluent Mete	(gal)	1333246	1256626	846379	1958105	1595970	1521075
	VOCs to Influent	(ppm)	2033	2715	2851	685	482	591
	Total Contaminant Removed	(lbs)	22.6	28.5	20.1	11.2	6.4	7.5

Notes:
1. For the period of 1/01/14 to 6/30/14.
2. Uptime estimated and reflects potential uptime.
3. Flow rates are estimated throughout the period due to meter malfunctions.
4. Total contaminant removal from each well is calculated using the flow through the meter at the well head.
5. VOC Concentration (in a given well) equals the sum of the compounds cis-1,2-DCE, trans-1,2-DCE, TCE, and PCE.
6. GRS total contaminant removed is based on the percentage of flow through the effluent meter.
7. Total flow measured at the well heads 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, Sanborn, NY

Monitoring Well I.D.: B-6	Date: 4/14/14	Time Started: 1210	Field Personnel: RC Becken
Weather Conditions:	overcast windy warm		
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 19.1	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 4.61	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 15.09	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.57	FiveWell Volumes (gals.) 12.8			
Notes:				

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.57	2.5	55.9	1.42	110	
	5	50.4	1.36	49.9	
	7.5	50.2	1.08	96.4	
	10	50.2	1.05	79.2	

Comments: Amount purged 13 gal

Sampling Information

Date: 4/14/14	Time Sampled: 1230	Field Personnel:	R C Becken
Measured Water Level (TOR ft):	15.8		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-6	50.1	7.25	1.18	119	

QA/QC Samples Taken:
Comments:

Signature

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

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

Monitoring Well I.D.: B-8 Date: 4/15/14 Time Started: 1250 Field Personnel: RCB

Weather Conditions: snow windy cold Time Ended: 1345

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 17.3 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 3.11 One Well Volume (gal.) 2.5

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~2.5 gal Flow Rate (mL per minute: 246 ml/min

Water Level after Purging (TOR ft) 3.25

Comments:

Sampling Information

Date 4/15/14 Time Sampled: 1325 Field Personnel: R C Becken

Measured Water Level (TOR ft) 3.25

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
5	7.42	6.96	0.812	0.0	10	3.25	350	~240 ml/min
10	7.47	7.01	0.797	0.0	12	3.25	260	
15	7.39	7.05	0.793	0.0	15	3.25	91.2	
20	7.42	7.07	0.788	0.0	21	3.25	61.3	
25	7.31	7.09	0.784	0.0	29	3.25	39.0	
30	7.28	7.03	0.783	0.0	35	3.25	28.5	
35	7.31	7.09	0.781	0.0	38	3.25	19.1	
40	7.36	7.11	0.781	0.0	41	3.25	15.3	
45	7.00	7.11	0.782	0.0	43	3.25	11.3	
50	7.0	7.12	0.781	0.0	47	3.25	11.1	
55	7.0	7.11	0.781	0.0	48	3.25	11.0	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0 mg/L Alkalinity = 180 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: B-9	Date: 4/14/14	Time Started: 1245	Field Personnel: RC Becken
Weather Conditions: overcast windy light rain warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 21.16	Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 4.86	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft) 16.3	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 2.77	FiveWell Volumes (gals.) 13.85		
Notes:			

Well Conditions

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

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

Other.

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.77	2.8	50.1	0.48	115	
	5.6	48.5	0.43	27.2	
	8.4	47.7	0.42	15.9	
	11.2	47.3	0.42	11.5	

Comments: Amount purged 14 gal

Sampling Information

Date: 4/14/14	Time Sampled: 1330	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 5.19			

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-9	46.3	6.75	0.44	55.5	

QA/QC Samples Taken:
Comments:

Signature

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

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

Monitoring Well I.D.: B-10M | Date: 4/22/14 | Time Started: 1330 | Field Personnel: RCB

Weather Conditions: Sunny windy cool | Time Ended: 1505

Comments:

Initial Readings

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

Measured Water Level (TOR-ft) 6.21 | One Well Volume (gal.) 3.69

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: 2 gal | Flow Rate (mL per minute: ~110 ml/min

Water Level after Purging (TOR ft.) 6.3

Comments:

Sampling Information

Date: 4/22/14 | Time Sampled: 1455 | Field Personnel: R C Becken

Measured Water Level (TOR ft) 6.3

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	11.79	6.83	1.10	1.61	-26	6.3	39.6	~110 ml/min.
15	11.64	6.84	1.12	0.06	-16	6.3	17.7	
20	11.52	6.84	1.14	0.0	-7	6.3	12.76	
25	11.29	6.84	1.15	1.80	2	6.3	12.97	
30	11.12	6.84	1.14	1.72	13	6.3	11.39	
35	10.97	6.85	1.14	1.56	15	6.3	11.2	
40	10.94	6.84	1.13	1.46	18	6.3	14.2	
45	10.88	6.83	1.14	1.28	26	6.3	12.35	
50	10.77	6.84	1.14	2.90	29	6.3	11.78	
55	10.79	6.85	1.14	2.88	30	6.3	11.7	
60	10.74	6.86	1.14	2.89	33	6.3	11.07	
65	10.75	6.85	1.14	2.90	34	6.3	12.27	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0 mg/L Alkalinity = 280 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	R C Becken	Date: 4/22/14

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

Monitoring Well I.D.: B-13M Date: 4/23/14 Time Started: 0800 Field Personnel: RCB

Weather Conditions: light rain cold Time Ended: 0935

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 36.02 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 21.08 One Well Volume (gal.) 2.54

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~3 gal Flow Rate (mL per minute: ~140 ml/min

Water Level after Purging (TOR ft.) 21.1

Comments:

Sampling Information

Date: 4/23/14 Time Sampled: 0920 Field Personnel: R C Becken

Measured Water Level (TOR ft) 21.1

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	13.80	6.99	2.15	0.0	-142	21.1	14.2	~140 ml/min
15	13.17	6.55	2.18	0.0	-153	21.1	12.16	
20	12.44	6.58	2.22	0.0	-161	21.1	6.89	
25	11.74	6.60	2.26	0.0	-167	21.1	4.55	
30	11.27	6.60	2.27	0.0	-169	21.1	6.79	
35	10.82	6.62	2.13	0.0	-162	21.1	6.83	
40	10.52	6.64	1.92	0.0	-157	21.1	6.92	
45	10.15	6.69	1.59	0.0	-135	21.1	4.07	
50	9.85	6.71	1.47	0.0	-124	21.1	3.27	
55	9.76	6.72	1.39	0.0	-113	21.1	3.74	
60	9.59	6.73	1.36	0.0	-103	21.1	3.47	
65	9.46	6.74	1.35	0.0	-102	21.1	2.66	
70	9.37	6.74	1.34	0.0	-100	21.1	2.60	

QA/QC Samples Taken: DUP 05

Comments: Ferrous Iron 0 mg/L Alkalinity 260 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/23/14

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

Monitoring Well I.D.: B-17M | Date: 4/16/14 | Time Started: 0810 | Field Personnel: RCB

Weather Conditions: Sunny cold | Time Ended: 0950

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 26.02 | Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 17.2 | One Well Volume (gal.) 1.5

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: [redacted] 2.5 gal		Flow Rate (mL per minute: ~100 ml/min		
Water Level after Purging (TOR ft.) 17.36				
Comments:				

Sampling Information

Date: 4/16/14 | Time Sampled: 0930 | Field Personnel: R C Becken

Measured Water Level (TOR ft) 17.36

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	10.63	6.87	0.943	3.90	-68	17.35	15.9	~100 ml/min
15	10.33	6.90	0.938	2.60	-64	17.35	9.32	
20	10.28	6.92	0.899	1.35	-53	17.35	6.58	
25	10.36	6.94	0.884	1.17	-53	17.35	15	
30	10.39	6.97	0.874	0.99	-52	17.35	2.11	
35	10.30	6.98	0.871	0.91	-53	17.36	2.23	
40	10.36	6.98	0.869	0.90	-54	17.36	2.17	
45	10.32	6.99	0.866	0.81	-56	17.36	1.12	
50	10.35	6.99	0.867	0.85	-57	17.36	2.51	
55	10.34	6.98	0.866	0.83	-55	17.36	2.11	

QA/QC Samples Taken:

Comments: Alkalinity = 180 mg/L Ferrous Iron = 0.6 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/16/14

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

Monitoring Well I.D.: B-19M	Date: 4/24/14	Time Started: 0930	Field Personnel: RCB
Weather Conditions: Sunny		Time Ended: 1045	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 26.11	Riser Pipe Diameter (in.) 2
Measured Water Level (TOR-ft) 15.8	One Well Volume (gal.) 1.75
Notes:	

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~1 gal		Flow Rate (mL per minute: ~90 ml/min		
Water Level after Purging (TOR ft.) 15.97				
Comments:				

Sampling Information

Date: 4/24/14	Time Sampled: 1020		Field Personnel:	R C Becken
Measured Water Level (TOR ft) 15.97				
Sampling Method	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
place an X in box	Polyethylene Bailer	Bladder Pump	Other:	

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	10.51	7.42	3.49	7.67	77	15.95	2.86	~90 ml/min
15	10.47	7.43	3.49	4.88	80	15.95	2.37	
20	10.80	7.44	3.49	4.37	84	15.96	1.58	
25	11.58	7.44	3.50	4.10	86	15.97	1.07	
30	11.34	7.43	3.49	4.10	88	15.97	1.08	
35	11.48	7.47	3.49	4.08	89	15.97	1.04	

QA/QC Samples Taken: MS + MSD

Comments: Ferrous Iron 0 mg/L Alkalinity 320 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/24/14

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

Monitoring Well I.D.: B-21	Date: 4/14/14	Time Started: 0950	Field Personnel: RC Becken
Weather Conditions: overcast windy warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 26.45	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 5.7	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 20.78	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.5	FiveWell Volumes (gals.) 17.6			
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: 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 Bailer | Peristaltic Pump | Sample Port (Pumping Wells Only)
Teflon Bailer | (Polyethylene Bailer) | Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
3.5	3.5	55.1	1.01	83.6	
	7	52.8	1.06	58.6	
	10.5	52.7	1.07	69.3	
	13.5	52.8	1.06	53.9	

Comments: Amount purged

Sampling Information

Date: 4/14/14	Time Sampled: 1045	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 7.65		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-21	56.9	6.55	1.07	15.8	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

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

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

Monitoring Well I.D.: B-22 Date: 4/24/14 Time Started: 1100 Field Personnel: RCB

Weather Conditions: sunny warm Time Ended: 1255

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 35.95 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 21.7 One Well Volume (gal.) 2.42

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

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

Water Level after Purging (TOR ft.) 21.71

Comments:

Sampling Information

Date: 4/24/14 Time Sampled: 1245 Field Personnel: R C Becken

Measured Water Level (TOR ft) 21.71

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	14.97	7.15	2.93	4.21	36	21.71	9.35	~100 mL/min
15	14.85	7.04	2.88	2.40	51	21.71	5.42	~110 mL/min
20	14.83	7.00	2.84	1.45	64	21.71	2.39	
25	14.84	6.96	2.87	0.80	74	21.71	1.67	
30	14.82	6.94	2.89	0.44	81	21.71	1.36	
35	14.75	6.93	2.91	0.21	87	21.71	1.07	
40	14.70	6.94	2.92	0.20	90	21.71	1.0	
45	14.65	6.92	2.94	0.18	91	21.71	1.17	

QA/QC Samples Taken:

Comments: Ferrous Iron 0 mg/L Alkalinity 360 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/24/14

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

Monitoring Well I.D.: 0-25M | Date: 4/24/14 | Time Started: 0815 | Field Personnel: RCB

Weather Conditions: sunny cold | Time Ended: 0920

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 31.68 | Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 20.76 | One Well Volume (gal.) 1.86

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: 1.5 gal | Flow Rate (mL per minute: ~125 ml/min

Water Level after Purging (TOR ft.) 20.77

Comments:

Sampling Information

Date: 4/24/14 | Time Sampled: 0915 | Field Personnel: R C Becken

Measured Water Level (TOR ft) 20.77

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	10.50	6.82	2.91	0.77	7	20.77	112	~125 ml/min
15	10.53	6.87	2.90	0.01	7	20.77	72.8	
20	10.48	6.91	2.90	0.0	13	20.77	47.6	
25	10.46	6.93	2.89	0.0	15	20.77	54.9	
30	10.48	6.94	2.89	0.0	15	20.77	40.8	
35	10.51	6.95	2.89	0.0	14	20.77	38.7	
40	10.56	6.93	2.88	0.0	14	20.77	37.3	

QA/QC Samples Taken:

Comments: Ferrous Iron .6 mg/L Alkalinity 280 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/24/14

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

Monitoring Well I.D.: B-24	Date: 4/15/14	Time Started: 1035	Field Personnel: RC Becken
Weather Conditions: rain cool wind			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 26.66	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 8.26	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 18.4	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.1	FiveWell Volumes (gals.) 15.5			
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 Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailer Polyethylene Bailer Other: sample pump

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
3.1	3	45.3	0.85	12	
	6	45.4	0.81	3.61	
	9	45.7	0.83	3.16	
	12	45.9	0.82	2.93	

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 1105	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 8.1			

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-24	40.6	7.95	0.72	9	

QA/QC Samples Taken: MS + MSD
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: B-28	Date: 4/14/14	Time Started: 1100	Field Personnel: RC Becken
Weather Conditions: overcast windy warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 34.6	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 21.65	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 12.95	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 2.2	FiveWell 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: 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 Bailer Peristaltic Pump Sample Port (Pumping Wells Only)
Teflon Bailer (Polyethylene Bailer) Other:

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.2	2.2	55.8	0.89	1000+	
	4.4	55.7	0.96	1000+	
	6.6	54.0	0.99	127	
	8.8	53.9	0.97	1001+	

Comments: Amount purged 11 gallons

Sampling Information

Date: 4/14/14	Time Sampled: 1135	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 24.16		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-28	55.4	6.86	0.98	121	

QA/QC Samples Taken:
Comments:

Signature

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

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

Monitoring Well I.D.: B-38	Date: 4/14/14	Time Started: 0855	Field Personnel: RC Becken
Weather Conditions: overcast warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 41.25'	Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 27.08	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17 (circled) 3" = 0.38
Calculated Water Column Height (ft) 14.17	(Circle One)	4" = 0.66	6" = 1.50 8" = 2.60
One Well Volume (gals.) 2.4	FiveWell Volumes (gals.) 12		
Notes:			

Well Conditions

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
2.4	2.4	55.7	1.30	21	
	4.8	53.1	1.28	38	
	7.2	52.8	1.33	49.8	
	9.6	52.4	1.25	32.7	

Comments: Amount purged

Sampling Information

Date: 4/14/14	Time Sampled: 0935	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 27.12			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-38	53.0	7.0	1.22	17.2	

QA/QC Samples Taken: Field Dup #1

Comments:

Signature

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

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

Monitoring Well I.D.: B-39M Date: 4/22/14 Time Started: 1150 Field Personnel: RCB

Weather Conditions: Sunny, warm Time Ended: 1325

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 44.9 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 9.2 One Well Volume (gal.) 6.07

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: 3 gal Flow Rate (mL per minute: ~200 ml/min

Water Level after Purging (TOR ft.) 9.21

Comments:

Sampling Information

Date: 4/22/14 Time Sampled: 1315 Field Personnel: R C Becken

Measured Water Level (TOR ft) 9.21

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	12.50	7.01	0.716	6.25	-138	9.21	2.27	~200 ml/min
15	12.19	7.03	0.719	5.89	-129	9.21	3.68	
20	12.17	7.05	0.722	5.00	-109	9.21	3.76	
25	12.23	7.04	0.737	4.58	-96	9.21	2.75	
30	12.47	6.90	0.782	3.76	-101	9.21	1.91	
35	12.31	6.88	0.755	3.07	-96	9.21	5.59	
40	12.18	6.88	0.743	2.59	-92	9.21	3.12	
45	11.9	6.88	0.734	2.19	-87	9.21	4.23	
50	11.93	6.89	0.729	1.93	-83	9.21	5.1	
55	11.88	6.87	0.727	1.89	-81	9.21	3.78	
60	11.89	6.87	0.725	1.88	-79	9.21	2.13	

QA/QC Samples Taken:

Comments: Ferrous Iron 0 mg/L Alkalinity 240 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/22/14

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

Monitoring Well I.D.: B-40M | Date: 4/22/14 | Time Started: 1000 | Field Personnel: RCB

Weather Conditions: rain warm | Time Ended: 1130

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 57.93 | Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 10.51 | One Well Volume (gal.)

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	

Amount Purged: ~3 gal | Flow Rate (mL per minute: ~125 ml/min

Water Level after Purging (TOR ft.) 10.53

Comments:

Sampling Information

Date 4/22/14 | Time Sampled: 1035 | Field Personnel: R C Becken

Measured Water Level (TOR ft) 10.53

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	10.92	7.41	0.966	2.82	46	10.53	4.65	~125 ml/min
15	11.01	7.43	0.966	2.60	42	10.53	5.86	
20	11.20	7.45	0.966	2.30	41	10.53	3.99	
25	11.40	7.46	0.965	1.98	34	10.53	4.12	
30	11.44	7.46	0.962	1.89	40	10.53	3.01	
35	11.45	7.46	0.963	1.79	36	10.53	2.96	
40	11.45	7.46	0.961	1.73	24	10.53	2.23	
45	11.46	7.46	0.960	1.71	20	10.53	2.59	
50	11.53	7.36	0.963	1.45	-41	10.53	2.43	
55	11.60	7.12	0.975	0.33	-117	10.53	3.5	
60	11.69	6.88	1.00	0.0	-156	10.53	2.9	
65	11.70	6.84	1.01	0.0	-172	10.53	2.35	
70	11.75	6.83	1.03	0.0	-180	10.53	1.97	
75	11.79	6.81	1.04	0.0	-178	10.53	2.29	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0 mg/L Alkalinity = 300 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/22/14

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

Monitoring Well I.D.: B-41M | Date: 4/22/14 | Time Started: 0815 | Field Personnel: RCB

Weather Conditions: light rain warm | Time Ended: 1000

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 72.68 | Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 13.25 | One Well Volume (gal.) 10.1

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump ✓	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~1.25 gal		Flow Rate (mL per minute: ~85 ml/min		
Water Level after Purging (TOR ft.) 13.37				
Comments:				

Sampling Information

Date 4/22/14 | Time Sampled: 0945 | Field Personnel: R C Becken

Measured Water Level (TOR ft) 13.38

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	11.63	6.66	0.825	0.61	110	13.31	2.42	~90 ml/min
15	11.41	6.84	0.815	0.38	113	13.32	2.73	
20	11.09	6.92	0.813	0.0	117	13.32	2.51	~85 ml/min
25	11.02	6.94	0.812	0.0	93	13.33	2.97	
30	10.71	6.96	0.817	0.0	72	13.33	2.79	
35	10.79	6.98	0.811	0.0	55	13.34	2.29	
40	10.65	6.96	0.813	0.0	49	13.34	2.57	
45	10.52	6.96	0.815	0.0	27	13.35	1.98	
50	10.38	6.95	0.816	0.0	21	13.36	3.89	
55	10.48	6.96	0.819	0.0	20	13.36	2.76	
60	10.46	6.96	0.820	0.0	19	13.37	3.11	
65	10.47	6.96	0.321	0.0	17	13.37	2.11	

QA/QC Samples Taken:

Comments: Alkalinity = 240 mg/L Ferrous Iron = 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/22/14

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

Monitoring Well I.D.: B-42 M	Date 4/16/14	Time Started: 1340	Field Personnel: RCB
Weather Conditions: sunny cool		Time Ended: 1455	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft)	45.4	Riser Pipe Diameter (in.)	2
Measured Water Level (TOR-ft)	6.72	One Well Volume (gal.)	
Notes:			

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~2 gal		Flow Rate (mL per minute: ~150 ml/min		
Water Level after Purging (TOR ft.) 6.79				
Comments.				

Sampling Information

Date: 4/16/14	Time Sampled: 1445	Field Personnel:	R C Becken
Measured Water Level (TOR ft)	6.79		

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	8.35	7.04	0.836	0.0	-206	6.79	2.22	~150 ml/min
15	8.44	7.02	0.817	0.0	-205	6.79	2.6	
20	8.51	7.00	0.807	0.0	-203	6.79	1.98	
25	8.57	6.99	0.802	0.0	-201	6.79	2.17	
30	8.60	6.98	0.802	0.0	-200	6.79	2.03	
35	8.67	6.95	0.801	0.0	-197	6.79	1.99	
40	8.70	6.93	0.800	0.0	-195	6.79	1.11	
45	8.66	6.92	0.794	0.0	-194	6.79	1.3	
50	8.61	6.89	0.795	0.0	-192	6.79	1.0	
55	8.60	6.89	0.794	0.0	-191	6.79	1.43	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0 mg/L Alkalinity = 180 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/16/14

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

Monitoring Well I.D.: B-43 M	Date: 4/16/14	Time Started: 1140	Field Personnel: RCB
Weather Conditions: Sunny cool		Time Ended: 1340	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 58.84		Riser Pipe Diameter (in.) 2	
Measured Water Level (TOR-ft) 9.40		One Well Volume (gal.)	
Notes:			

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: ~2 gal		Flow Rate (mL per minute: ~70 ml/min		
Water Level after Purging (TOR ft.) 10.85				
Comments:				

Sampling Information

Date: 4/16/14	Time Sampled: 1330	Field Personnel:	R C Becken
Measured Water Level (TOR ft) 10.85			

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	7.55	7.35	1.45	1.23	-230	10.4	1.25	~70 mL/min
20	7.49	7.39	1.43	1.26	-224	10.4	1.24	
30	7.59	7.44	1.41	1.24	-221	10.5	1.35	
40	7.53	7.47	1.44	1.31	-219	10.71	1.13	
50	7.99	7.70	1.44	1.32	-215	10.84	1.31	
60	8.04	7.31	1.43	1.29	-213	10.85	1.27	
70	8.1	7.30	1.43	1.25	-216	10.85	1.56	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0 mg/L Alkalinity = 165 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/16/14

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

Monitoring Well I.D.: R-44M	Date: 4/16/14	Time Started: 0950	Field Personnel: RCB
Weather Conditions: sunny, cold		Time Ended: 1135	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 80.45		Riser Pipe Diameter (in.) 2	
Measured Water Level (TOR-ft) 12.0		One Well Volume (gal.) 11.63	
Notes:			

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: 1.75		Flow Rate (mL per minute: ~70 ml/min		
Water Level after Purging (TOR ft.) 13.38				
Comments:				

Sampling Information

Date: 4/16/14	Time Sampled: 1125	Field Personnel:	R C Becken
Measured Water Level (TOR ft) 13.11			

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

Time Elapsed min.	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	10.05	7.19	2.56	0.0	-257	12.73	13	~70 ml/min
20	9.77	7.22	2.64	0.0	-273	12.71	11	
30	10.07	7.26	2.58	0.0	-293	13.0	2.39	
40	9.48	7.32	2.62	0.0	-302	13.15	2.32	
50	9.10	7.32	2.63	0.0	-305	13.2	2.25	
60	9.02	7.32	2.64	0.0	-312	13.3	2.92	
70	9.01	7.31	2.65	0.0	-313	13.38	2.89	

QA/QC Samples Taken:

Comments: Ferrous Iron = 0 mg/L Alkalinity = 280 mg/L

Signature

Sampler (Print)	*Sampler (signature):*	
Richard C. Becken	R C Becken	Date: 4/16/14

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

Monitoring Well I.D.: B-48M Date: 4/23/14 Time Started: 0935 Field Personnel: RCB

Weather Conditions: light rain ~2.0 Time Ended: 1100

Comments:

Initial Readings

Measured Well Bottom (TOR-ft) 46.86 Riser Pipe Diameter (in.) 2

Measured Water Level (TOR-ft) 9.38 One Well Volume (gal.) 6.4

Notes:

Well Condition

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

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: 3.5 gal		Flow Rate (mL per minute:		
Water Level after Purging (TOR ft.) 9.4				
Comments:				

Sampling Information

Date: 4/23/14 Time Sampled: 1050 Field Personnel: R C Becken

Measured Water Level (TOR ft) 9.4

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

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	7.52	6.71	0.755	0.0	-13	9.4	24.7	~150 ml/min
15	7.29	6.70	0.746	0.0	-17	9.4	6.92	
20	8.17	6.70	0.746	0.0	-16	9.4	4.68	
25	8.09	6.70	0.745	0.0	-15	9.4	3.30	
30	7.99	6.69	0.746	0.0	-6	9.4	2.11	
35	7.94	6.70	0.746	0.0	0	9.4	1.44	
40	7.88	6.69	0.748	0.0	8	9.4	1.02	
45	7.82	6.69	0.747	0.0	11	9.4	1.13	
50	7.75	6.69	0.748	0.0	16	9.4	1.05	

QA/QC Samples Taken:

Comments: Ferrous Iron 0 mg/L Alkalinity 300 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/23/14

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

Monitoring Well I.D.: B-49 M	Date: 4/23/14	Time Started: 1135	Field Personnel: RCB
Weather Conditions: light rain cold		Time Ended:	
Comments:			

Initial Readings

Measured Well Bottom (TOR-ft) 83.48	Riser Pipe Diameter (in.) 2
Measured Water Level (TOR-ft) 20.65	One Well Volume (gal.) 10.5
Notes:	

Well Condition

Well Riser Type	(Stainless Steel) — circled	Carbon Steel	PVC
Casing Condition:	(OK)	Repair Required:	
Cap Condition:	(OK)	Repair Required:	
Point Condition:	(OK)	Repair Required:	
Lock Condition:	(OK)	Repair Required:	
Inner Casing Condition:	(OK)	Repair Required:	
Surface Seal Condition:	(OK)	Repair Required:	
Other:	(OK)	Repair Required:	

Purge Information

Purging Method:	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
Place an X in one box	Polyethylene Bailer	Bladder Pump	Other:	
Amount Purged: 2 gal		Flow Rate (mL per minute:		
Water Level after Purging (TOR ft.) 20.89				
Comments:				

Sampling Information

Date: 4/23/14	Time Sampled: 1230		Field Personnel:	R C Becken
Measured Water Level (TOR ft) 20.89				
Sampling Method	Stainless Steel Bailer	Peristaltic Pump X	Grundfos Pump	Teflon Bailer
place an X in box	Polyethylene Bailer	Bladder Pump	Other:	

Time Elapsed min	Temperature	pH	Conductivity	Dissolved Oxygen	Redox	Water Level	Turbidity	Flow Rate
10	6.72	6.92	1.48	0.0	-270	20.78	4.83	~80 ml/min
15	6.31	7.07	1.83	0.0	-293	20.86	3.43	~70 ml/min
20	6.04	7.11	1.99	0.0	-299	20.86	2.92	
25	5.93	7.11	2.05	0.0	-301	20.87	2.75	
30	5.79	7.10	2.22	2.07	-305	20.87	3.19	
35	5.67	7.05	2.35	4.00	-310	20.37	5.78	
40	5.70	7.00	2.69	4.07	-311	20.88	4.79	
45	5.82	6.98	2.86	4.18	-315	20.83	6.55	
55	5.92	6.87	2.89	4.15	-319	20.89	5.55	

QA/QC Samples Taken:

Comments: Alkalinity 200 mg/L Ferrous Iron 0 mg/L

Signature

Sampler (Print)	Sampler (signature):	
Richard C. Becken	Richard C Becken	Date: 4/23/14

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

Monitoring Well I.D.: B-56	Date: 4/15/14	Time Started: 0940	Field Personnel: RC Becken
Weather Conditions: rain wind cool			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 39.61	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 19.54	Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17	3" = 0.38
Calculated Water Column Height (ft) 20.07	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 3.4	FiveWell Volumes (gals.) 17			
Notes:				

Well Conditions

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

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

Other:

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
3.4	3.5	47.4	1.2	722	
	7	48.2	0.93	33	
	10.5	48.7	0.80	15	
	14	48.6	0.87	9	

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 1020	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 19.57			

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

Sample I.D.	Temperature (deg C)	pH (S U)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-56	47.1	8.2	1.10	7	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: B-57	Date: 4/15/14	Time Started: 0915	Field Personnel: RC Becken
Weather Conditions: rain cool windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft) 50.55	Riser Pipe Diameter (in) 2 in.			
Measured Water Level (TOR - ft) 21.91	Conversion Factor (gal/lineal ft)	1.25" = 0.08	(2" = 0.17)	3" = 0.38
Calculated Water Column Height (ft) 28.64	(Circle One)	4" = 0.66	6" = 1.50	8" = 2.60
One Well Volume (gals.) 4.86	FiveWell Volumes (gals.) 24.3			
Notes:				

Well Conditions

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

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

Purge Information

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

Well Volume	Gallons Purged (gal)	Temperature (deg C)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
4.86	~5	44.5	1.81	8.79	
	~10	46.9	2.04	9.27	well dry at 13 gal

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 1030	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 45.91			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
B-57	47.5	7.7	1.83	1	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: P-3	Date: 4/15/14	Time Started: 0845	Field Personnel: RC Becken
Weather Conditions: rain cool windy			
Comments:			

Initial Readings

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

Well Conditions

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

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 0845	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 27.46			

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
P-3	52.2	6.75	1.29	17.9	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: P-4	Date: 4/15/14	Time Started: 0930	Field Personnel: RC Becken
Weather Conditions: rain windy cool			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 0950	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 29.21		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
P-4	49.8	6.71	0.94	3.22	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	Sampler (signature): Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: PW-1	Date: 4/15/14	Time Started: 0830	Field Personnel: RC Becken
Weather Conditions: rain cool windy			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 0830	Field Personnel: R C Becken
Measured Water Level (TOR ft.): 27.2		

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
PW-1	51.1	6.57	0.70	1.40	

QA/QC Samples Taken: Field D. #2.
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/15/14

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

Monitoring Well I.D.: P-2	Date: 4/14/14	Time Started: 1355	Field Personnel: RC Becken
Weather Conditions: overcast warm light rain windy			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)		Riser Pipe Diameter (in) 2 in.		
Measured Water Level (TOR - ft) 20.95		Conversion Factor (gal/lineal ft)	1.25" = 0.08	2" = 0.17
Calculated Water Column Height (ft)		(Circle One)	4" = 0.66	6" = 1.50
One Well Volume (gals.)		FiveWell Volumes (gals.)		

3" = 0.38 (circled) 8" = 2.60 (circled)

Notes:

Well Conditions

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

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

Other:

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/14/14	Time Sampled: 1355	Field Personnel: R C Becken

Measured Water Level (TOR ft.): 20.95

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

Sample ID	Temperature (deg C)	pH (S U)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
P-2	53.5	6.37	0.95	6.01	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: PW-3	Date: 4/14/14	Time Started: 1425	Field Personnel: RC Becken
Weather Conditions: overcast light rain, windy warm			
Comments:			

Initial Readings

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

Well Conditions

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

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

Other:

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/14/14	Time Sampled: 1425	Field Personnel:	R C Becken
Measured Water Level (TOR ft.): 9.16			

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

Sample I.D.	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
PW-3	50.7	6.57	1.16	3.5	

QA/QC Samples Taken:
Comments:

Signature

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

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

Monitoring Well I.D.: PW-4	Date: 4/14/14	Time Started: 1415	Field Personnel: RC Becken
Weather Conditions: overcast warm humid			
Comments:			

Initial Readings

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

Well Conditions

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

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/14/14	Time Sampled: 1415	Field Personnel: R C Becken	
Measured Water Level (TOR ft.): 4.18			

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

Sample ID	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
PW-4	53.2	6.51	0.03	75.6	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: Quarry Pond	Date: 4/14/14	Time Started: 0835	Field Personnel: RC Becken
Weather Conditions: overcast warm			
Comments:			

Initial Readings

Measured Well Bottom (TOR - ft)	Riser Pipe Diameter (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:	NA
Cap Condition:	OK	Repair Required:	NA
Paint Condition:	OK	Repair Required:	NA
Lock Condition:	OK	Repair Required:	NA
Inner Casing Condition:	OK	Repair Required:	NA
Surface Seal Condition:	OK	Repair Required:	NA

Other:

Purge Information

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

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

Comments: Amount purged 0

Sampling Information

Date: 4/14/14	Time Sampled: 0935	Field Personnel:	R C Becken

Measured Water Level (TOR ft.):

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

Sample I.D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
Quarry Pond	57.5	7.28	1.34	3.81	

QA/QC Samples Taken:

Comments:

Signature

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

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

Monitoring Well I.D.: TOO2	Date: 4/15/14	Time Started: 1213	Field Personnel: RC Becken
Weather Conditions: rain windy cool			
Comments:			

Initial Readings

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

Well Conditions

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

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

Purge Information

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

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

Comments: Amount purged

Sampling Information

Date: 4/15/14	Time Sampled: 1213	Field Personnel:	R C Becken
Measured Water Level (TOR ft.):			

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

Sample I D	Temperature (deg C)	pH (S.U.)	Specific Conductivity (mS/cm)	Turbidity (NTU's)	Comments
TOO2	55.4	8.0	0.96	3.59	

QA/QC Samples Taken:
Comments:

Signature

Sampler (Print): Richard C. Becken	*Sampler (signature):* Richard C Becken	Date: 4/15/14

APPENDIX B

LABORATORY DATA REPORTS

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

May 07, 2014

Project: BP Sanborn

Submittal Date: 04/25/2014
Group Number: 1469753
PO Number: D00B4-0005
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
B-23M Water	7442060
B-19M Water	7442061
B-19M MS Water	7442062
B-19M MSD Water	7442063
B-19M DUP Water	7442064
B-22M Water	7442065

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,

Kaitlin N. Plasterer
Specialist

(717) 556-7323

Project Name: BP Sanborn
LLI Group #: 1469753

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 8260C, GC/MS Volatiles

Batch #: L141182AA (Sample number(s): 7442060-7442063, 7442065 UNSPK: 7442061)

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

EPA 415.1 modified, Wet Chemistry

Batch #: 14120237306A (Sample number(s): 7442060-7442062, 7442064 UNSPK: 7442061 BKG: 7442061)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Dissolved Organic Carbon

Batch #: 14120237306B (Sample number(s): 7442065 UNSPK: 7442065 BKG: 7442065)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Dissolved Organic Carbon

SM 5210 B-2001, Wet Chemistry

Batch #: 14116023501A (Sample number(s): 7442060-7442065 UNSPK: 7442061 BKG: 7442061)

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Biochemical Oxygen Demand

Sample Description: B-23M Water
BP Sanborn COC: R215270
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442060
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 09:15 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-23M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	1.2		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	0.62	J	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	210		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	1.0	J	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	27		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	11		0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	N.D.		3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	3.39		0.0430	0.400	1
07058	Manganese	7439-96-5	0.0290		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	59.5		4.0	8.0	20

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

Sample Description: B-23M Water
BP Sanborn COC: R215270
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442060
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 09:15 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-23M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	177	6.0	20.0	20
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.3	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.0	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 02:03	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 02:03	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141250027A	05/06/2014 00:31	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 08:04	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 08:04	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14115347902A	04/25/2014 21:38	Sandra J Miller	20
00368	Nitrate Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 21:21	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 21:21	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14115347902A	04/25/2014 21:38	Sandra J Miller	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 17:11	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400102A	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14116023501A	04/26/2014 08:16	Hannah M Royer	1

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

Sample Description: B-19M Water
BP Sanborn COC: R215270
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442061
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	1.6	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.	0.0430	0.400	1
07058	Manganese	7439-96-5	N.D.	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	52.3	4.0	8.0	20

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

Sample Description: B-19M Water
BP Sanborn COC: R215270
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442061
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	328	15.0	50.0	50
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.4	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.8	2.8	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 02:26	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 02:26	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141250027A	05/06/2014 00:49	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 06:25	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 06:25	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14115347902A	04/25/2014 20:00	Sandra J Miller	20
00368	Nitrate Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 19:44	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 19:44	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14115347902A	04/26/2014 19:04	Sandra J Miller	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 17:24	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400102A	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14116023501A	04/26/2014 08:16	Hannah M Royer	1

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

Sample Description: B-19M MS Water
BP Sanborn COC: R215271
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442062
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	15	1.0	5.0	1
11997	Bromobenzene	108-86-1	21	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	22	0.50	1.0	1
11997	Bromoform	75-25-2	21	0.50	4.0	1
11997	Bromomethane	74-83-9	21	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	25	0.50	1.0	1
11997	Chlorobenzene	108-90-7	22	0.50	1.0	1
11997	Chloroethane	75-00-3	21	0.50	1.0	1
11997	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
11997	Chloroform	67-66-3	23	0.50	1.0	1
11997	Chloromethane	74-87-3	19	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	23	0.50	1.0	1
11997	Dibromomethane	74-95-3	21	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	23	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	22	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	23	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	24	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	24	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	24	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	20	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	20	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	20	0.50	1.0	1
11997	Methylene Chloride	75-09-2	22	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	23	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	18	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	26	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	21	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	20	0.50	1.0	1
11997	Trichloroethene	79-01-6	24	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	24	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	21	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	54	1.0	5.0	1
07105	Ethene	74-85-1	63	1.0	5.0	1
07105	Methane	74-82-8	52	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	1.05	0.0430	0.400	1
07058	Manganese	7439-96-5	0.522	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	145	10.0	20.0	50

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

Sample Description: B-19M MS Water
BP Sanborn COC: R215271
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442062
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	9.8	0.50	1.0	10
01506	Nitrite Nitrogen	14797-65-0	9.5	0.80	1.0	10
00228	Sulfate	14808-79-8	814	30.0	100	100
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	14.8	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	399	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	43.5	0.80	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 02:49	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 02:49	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141250027A	05/06/2014 01:07	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 06:37	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 06:37	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14115347902A	04/25/2014 21:05	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 20:49	Sandra J Miller	10
01506	Nitrite Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 20:49	Sandra J Miller	10
00228	Sulfate	EPA 300.0	2	14115347902A	04/26/2014 19:37	Sandra J Miller	100
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 17:37	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400102A	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14116023501A	04/26/2014 08:16	Hannah M Royer	1

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

Sample Description: B-19M MSD Water
BP Sanborn COC: 192482
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442063
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	16	1.0	5.0	1
11997	Bromobenzene	108-86-1	22	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	22	0.50	1.0	1
11997	Bromoform	75-25-2	21	0.50	4.0	1
11997	Bromomethane	74-83-9	21	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	25	0.50	1.0	1
11997	Chlorobenzene	108-90-7	22	0.50	1.0	1
11997	Chloroethane	75-00-3	22	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	23	0.50	1.0	1
11997	Chloromethane	74-87-3	20	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	23	0.50	1.0	1
11997	Dibromomethane	74-95-3	21	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	21	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	22	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	22	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	23	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	22	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	23	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	24	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	25	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	24	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	21	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	21	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	20	0.50	1.0	1
11997	Methylene Chloride	75-09-2	23	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	23	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	19	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	26	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	21	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	21	0.50	1.0	1
11997	Trichloroethene	79-01-6	24	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	24	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	22	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	57	1.0	5.0	1
07105	Ethene	74-85-1	64	1.0	5.0	1
07105	Methane	74-82-8	55	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	1.06	0.0430	0.400	1
07058	Manganese	7439-96-5	0.518	0.00083	0.0100	1
Wet Chemistry	**EPA 410.4**		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	390	12.8	50.0	1

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

Sample Description: B-19M MSD Water
BP Sanborn COC: 192482
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442063
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**SM 5210 B-2001**		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	39.0	0.80	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 03:11	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 03:11	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141250027A	05/06/2014 01:26	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 06:41	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 06:41	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400102A	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14116023501A	04/26/2014 08:16	Hannah M Royer	1

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

Sample Description: **B-19M DUP Water**
BP Sanborn COC: R215270
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442064
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 10:20 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-19M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.	0.0430	0.400	1
07058	Manganese	7439-96-5	N.D.	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	52.5	4.0	8.0	20
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	320	15.0	50.0	50
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.0	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.5	2.5	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 06:33	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 06:33	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14115347902A	04/25/2014 20:33	Sandra J Miller	20
00368	Nitrate Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 20:17	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 20:17	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14115347902A	04/26/2014 19:20	Sandra J Miller	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 17:50	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400102A	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14116023501A	04/26/2014 08:16	Hannah M Royer	1

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

Sample Description: B-22M Water
BP Sanborn COC: 192485
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442065
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 12:45 by RCB

Submitted: 04/25/2014 09:20
Reported: 05/07/2014 08:07

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

B-22M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	67	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	2.6	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	14	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0871 J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0030 J	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	44.8	2.0	4.0	10

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

Sample Description: B-22M Water
BP Sanborn COC: 192485
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7442065
LL Group # 1469753
Account # 12495

Project Name: BP Sanborn

Collected: 04/24/2014 12:45 by RCB

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

B-22M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	107	3.0	10.0	10
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.1	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.1	2.1	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 03:34	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 03:34	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141250027A	05/06/2014 01:44	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 08:08	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 08:08	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14115347902A	04/25/2014 22:59	Sandra J Miller	10
00368	Nitrate Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 22:42	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14115347902A	04/25/2014 22:42	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14115347902A	04/25/2014 22:59	Sandra J Miller	10
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306B	04/30/2014 18:04	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400102A	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14116023501A	04/26/2014 08:16	Hannah M Royer	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469753
Reported: 05/07/14 at 08:07 AM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: L141182AA	Sample number(s): 7442060-7442063,7442065								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	82		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	103		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	101		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	97		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	104		74-130		
Chlorobenzene	N.D.	0.50	1.0	ug/l	105		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	94		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	86		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	108		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	89		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	108		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	87		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	110		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	105		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	108		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	99		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	101		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	100		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	108		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	92		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	113		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	91		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	100		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	107		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	95		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	95		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	94		63-120		
Batch number: 141250027A	Sample number(s): 7442060-7442063,7442065								
Ethane	N.D.	1.0	5.0	ug/l	98		80-120		
Ethene	N.D.	1.0	5.0	ug/l	95		80-120		
Methane	N.D.	3.0	5.0	ug/l	101		80-120		
Batch number: 141180635001	Sample number(s): 7442060-7442065								
Iron	N.D.	0.0430	0.400	mg/l	104		90-112		

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469753
Reported: 05/07/14 at 08:07 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Manganese	N.D.	0.00083	0.0100	mg/l	106		90-110		
Batch number: 14115347902A	Sample number(s): 7442060-7442062,7442064-7442065								
Chloride	N.D.	0.20	0.40	mg/l	94		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	100		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	98		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	98		90-110		
Batch number: 14120237306A	Sample number(s): 7442060-7442062,7442064								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	110		86-114		
Batch number: 14120237306B	Sample number(s): 7442065								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	110		86-114		
Batch number: 14116023501A	Sample number(s): 7442060-7442065								
Biochemical Oxygen Demand					90		85-115		
Batch number: 14119400102A	Sample number(s): 7442060-7442065								
Chemical Oxygen Demand	N.D.	12.8	50.0	mg/l	100		94-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L141182AA	Sample number(s): 7442060-7442063,7442065 UNSPK: 7442061								
Benzyl Chloride	77	79	53-117	4	30				
Bromobenzene	105	108	82-115	2	30				
Bromodichloromethane	110	110	73-125	0	30				
Bromoform	106	107	48-118	1	30				
Bromomethane	104	107	47-129	3	30				
Carbon Tetrachloride	123	123	75-148	0	30				
Chlorobenzene	112	112	87-124	0	30				
Chloroethane	103	108	55-130	4	30				
2-Chloroethyl Vinyl Ether	85	89	10-151	5	30				
Chloroform	114	116	81-134	2	30				
Chloromethane	97	98	61-125	1	30				
Dibromochloromethane	116	115	74-116	1	30				
Dibromomethane	106	107	83-119	2	30				
1,2-Dichlorobenzene	105	106	84-119	2	30				
1,3-Dichlorobenzene	106	108	86-121	2	30				
1,4-Dichlorobenzene	107	109	85-121	2	30				
Dichlorodifluoromethane	114	114	58-156	0	30				
1,1-Dichloroethane	110	110	84-129	0	30				
1,2-Dichloroethane	113	116	63-142	2	30				
1,1-Dichloroethene	121	122	79-137	1	30				
cis-1,2-Dichloroethene	113	115	80-141	1	30				
trans-1,2-Dichloroethene	120	121	86-131	1	30				
1,2-Dichloropropane	102	105	83-124	2	30				
cis-1,3-Dichloropropene	100	104	70-116	4	30				
trans-1,3-Dichloropropene	100	101	74-119	1	30				

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469753
Reported: 05/07/14 at 08:07 AM

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
Methylene Chloride	112	114	78-133	2	30				
1,1,1,2-Tetrachloroethane	115	116	80-123	1	30				
1,1,2,2-Tetrachloroethane	89	93	72-128	4	30				
Tetrachloroethene	130*	129*	80-128	1	30				
1,1,1-Trichloroethane	104	105	69-140	1	30				
1,1,2-Trichloroethane	102	103	71-141	1	30				
Trichloroethene	118	120	88-133	1	30				
Trichlorofluoromethane	119	119	63-163	0	30				
1,2,3-Trichloropropane	95	97	76-118	3	30				
Vinyl Chloride	105	110	66-133	5	30				
Batch number: 141250027A	Sample number(s): 7442060-7442063,7442065 UNSPK: 7442061								
Ethane	89	95	32-129	6	20				
Ethene	102	104	35-162	2	20				
Methane	88	93	35-157	6	20				
Batch number: 141180635001	Sample number(s): 7442060-7442065 UNSPK: 7442061 BKG: 7442061								
Iron	105	106	75-125	1	20	N.D.	N.D.	0 (1)	20
Manganese	104	104	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 14115347902A	Sample number(s): 7442060-7442062,7442064-7442065 UNSPK: 7442061 BKG: 7442061								
Chloride	93		90-110			52.3	52.5	0	20
Nitrate Nitrogen	98		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	95		90-110			N.D.	N.D.	0 (1)	20
Sulfate	97		90-110			328	320	3	20
Batch number: 14120237306A	Sample number(s): 7442060-7442062,7442064 UNSPK: 7442061 BKG: 7442061								
Dissolved Organic Carbon	114		54-135			3.4	3.0	10* (1)	2
Batch number: 14120237306B	Sample number(s): 7442065 UNSPK: 7442065 BKG: 7442065								
Dissolved Organic Carbon	113		54-135			3.1	2.9	7* (1)	2
Batch number: 14116023501A	Sample number(s): 7442060-7442065 UNSPK: 7442061 BKG: 7442061								
Biochemical Oxygen Demand	88	79	69-139	11*	8	N.D.	N.D.	0 (1)	15
Batch number: 14119400102A	Sample number(s): 7442060-7442065 UNSPK: 7442061 BKG: 7442061								
Chemical Oxygen Demand	100	98	90-110	2	5	N.D.	N.D.	0 (1)	5

Surrogate Quality Control

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

Analysis Name: VOCs TCL (4.3) 8260C
Batch number: L141182AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7442060	107	102	96	94
7442061	107	102	96	93

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Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469753
Reported: 05/07/14 at 08:07 AM

Surrogate Quality Control

7442062	104	101	98	96
7442063	104	101	98	96
7442065	105	103	97	95
Blank	102	102	97	96
LCS	102	100	98	97
MS	104	101	98	96
MSD	104	101	98	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 141250027A

	Propene
7442060	83
7442061	79
7442062	78
7442063	83
7442065	68
Blank	100
LCS	98
MS	78
MSD	83
Limits:	42-131

*- Outside of specification
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bp 12495/1469753/7442060-66

Laboratory Management Program LaMP Chain of Custody Record R215270

Page 1 of 4

BP Site Node Path: BP Sanborn **Req Due Date (mm/dd/yy):** _____ **Rush TAT:** Yes ___ No ✓

BP Facility No: _____ **Lab Work Order Number:** _____

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 Lacknevere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Sulfate	Iron, Manganese	COD	Methane, Ethane, Ethene
	B-23M	4/24/14	0915		X		Y	3	X					X						
								1	X						X					
								1	X							X				
								2	X								X			
								1			X							X		
								1		X									X	
								2				X								X
	B-19M		1020					3	X					X						
								1	X						X					
								1	X							X				

Report Type & QC Level

Standard ___

Full Data Package ___

Comments

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O+M Enterprises Inc.	Richard C Becker	4/24/14	1500			
Shipment Method: UPS Ship Date: 4/24/14						
Shipment Tracking No:				ELLIE	4.25.14	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 2.6 °F (C) | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: (Yes) / No

12495/1469753/7442060-66

Laboratory Management Program LaMP Chain of Custody Record R215271

Page 2 of 4

BP Site Node Path: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No ✓

BP Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 1760	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (346) 271-8035

BP PM Email:

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	BOD	DOC	Chloride, Nitrate, Nitrite, Sulfate	Iron + Manganese	COD	Methane, Ethane, Ethene				Report Type & QC Level / Comments
	~~B-19 MS~~ B-19 MMS	4/24/14	1020		✓		Y	3	X					X										
								1	X						X									
								1	X							X								
								2	X								X							
								1			X							X						
								1		X									X					
								2				X								X				
	B-19 M MSD							3	X					X										
								1	X						X									
								1	X							X								

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O+M Enterprises Inc	Richard C Becker	4/24/14	1500			
Shipment Method: UPS Ship Date: 4/24/14						
Shipment Tracking No:				Kim Kim ELLE	4/25/14	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 2.8 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: (Yes) / No

12495/1469753/7442060-66

Atlantic Richfield Company — A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

192482

Page 3 of 4

BP/ARC Project Name: BP, Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No ✓

BP/ARC Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone: (716) 409-4990
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ✓ Contractor ___

BP/ARC EBM: Bill Barber

EBM Phone: (26) 271-8038

EBM Email:

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor		Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	8260	BOD	DOC	Chloride, Nitrate, Sulfate	Iron + Manganese	COD	Methane, Ethane, Ethene				Comments
	B-19M	4/24/14	1020		X			2	X								X							
								1			X							X						
								1		X									X					
								2				X								X				
	B-19M MSD							2	X								X							
								1			X							X						
								1		X									X					
								2				X								X				
		↓	↓		↓			-																

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

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises Inc.	Rich C Becker	4/24/14	1500			
Shipment Method: UPS Ship Date: 4/24/14						
Shipment Tracking No:				ELLE	4/25/14	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

12495 / 1469753 / 442060-66

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

192485

Page 4 of 4

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

Lab Name: Lancaster Labs	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plastener	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone: (716) 407-4990
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Wolcox
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ✓ Contractor ___

BP/ARC EBM: Bill Barber
EBM Phone: (716) 271-8038
EBM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Nitrite, Sulfate	Iron + Manganese	COD	Methane, Ethane, Ethene				Report Type & QC Level / Comments
	B-22M	4/24/14	1245		X			3	X					X										
								1	X						X									
								1	X							X								
								2	X								X							
								1			X							X						
								1		X									X					
								2				X								X				

Standard ___
Full Data Package ___

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

Sampler's Name: Richard C Barber	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: DNM Enterprises Inc.	Richard C Barber	4/24/14	1500			
Shipment Method: UPS Ship Date: 4/24/14						
Shipment Tracking No:				ELLE	4.25.14	920

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.5 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 12706

Group Number(s): 1469753

Client: Parsons

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/25/2014 9:20
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	NY		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	3
Custody Seal Present:	Yes	Trip Blank Type:	unpres
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Brandy Barclay (2299) at 09:38 on 04/25/2014

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Samples Collected Same Day as Receipt?	Elevated Temp?
1	DT146	2.8	DT	Wet	Y	Bagged	N	N

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

May 05, 2014

Project: BP Sanborn

Submittal Date: 04/24/2014
Group Number: 1469405
PO Number: D00B4-0005
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
B-13M Water	7440680
B-48M Water	7440681
DUP 05 Water	7440682
B-49M Water	7440683

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

Project Name: BP Sanborn
LLI Group #: 1469405

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 not 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 8260C, GC/MS Volatiles
Batch #: L141182AA (Sample number(s): 7440680-7440683 UNSPK: P442061)

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

RSKSOP-175 modified, GC Miscellaneous
Batch #: 141210023A (Sample number(s): 7440680-7440683 UNSPK: P440658)

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

EPA 300.0, Wet Chemistry
Batch #: 14114347902B (Sample number(s): 7440680-7440683 UNSPK: P440512 BKG: P440512)

The recovery(ies) for the following analyte(s) in the MS was outside the acceptance window: Chloride, Sulfate, Nitrate Nitrogen

EPA 415.1 modified, Wet Chemistry
Batch #: 14120237306A (Sample number(s): 7440680-7440683 UNSPK: P442061 BKG: P442061)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Dissolved Organic Carbon

Sample Description: B-13M Water
BP Sanborn COC: R215294
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440680
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 09:20 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

B13-M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	12	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	4.5	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	510	5.0	10	10
11997	trans-1,2-Dichloroethene	156-60-5	5.8	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	1.4	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	2.9	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	650	5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	20	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.156 J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0216	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	87.7	10.0	20.0	50

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

Sample Description: B-13M Water
BP Sanborn COC: R215294
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440680
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 09:20 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

B13-M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	351	15.0	50.0	50
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.5	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.4	3.4	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/28/2014 23:47	Sarah A Guill	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 00:10	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/28/2014 23:47	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141182AA	04/29/2014 00:10	Sarah A Guill	10
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141210023A	05/02/2014 17:14	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141140635001	04/25/2014 15:11	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	141140635001	04/25/2014 15:11	Joanne M Gates	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141140635001	04/25/2014 00:07	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14114347902B	04/25/2014 18:23	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 04:28	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 04:28	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14114347902B	04/25/2014 18:23	Sandra J Miller	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 16:04	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400101B	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14115023501A	04/25/2014 08:00	Susan E Hibner	1

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

Sample Description: B-48M Water
BP Sanborn COC: R215294 & 192487
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440681
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 10:50 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

B-48M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	3.3	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0099 J	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	35.4	2.0	4.0	10

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

Sample Description: **B-48M Water**
BP Sanborn COC: R215294 & 192487
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440681
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 10:50 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

B-48M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	1.2	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	67.3	1.5	5.0	5
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.3	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.9	2.9	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 00:33	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 00:33	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141210023A	05/02/2014 17:32	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141140635001	04/25/2014 15:15	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	141140635001	04/25/2014 15:15	Joanne M Gates	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141140635001	04/25/2014 00:07	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14114347902B	04/25/2014 15:25	Sandra J Miller	10
00368	Nitrate Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 04:44	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 04:44	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14114347902B	04/25/2014 04:44	Sandra J Miller	5
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 16:17	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400101B	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14115023501A	04/25/2014 08:00	Susan E Hibner	1

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

Sample Description: DUP 05 Water
BP Sanborn COC: 192487 & 192483
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440682
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

DUP05

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	12	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	4.4	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	510	5.0	10	10
11997	trans-1,2-Dichloroethene	156-60-5	5.8	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	1.4	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	3.0	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	640	5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	20	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.136 J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0207	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	92.3	10.0	20.0	50

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

Sample Description: DUP 05 Water
BP Sanborn COC: 192487 & 192483
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440682
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

DUP05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	338	15.0	50.0	50
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.5	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.1	3.1	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 00:55	Sarah A Guill	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 01:18	Sarah A Guill	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 00:55	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141182AA	04/29/2014 01:18	Sarah A Guill	10
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141210023A	05/02/2014 17:50	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 07:55	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 07:55	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14114347902B	04/25/2014 15:09	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 05:00	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 05:00	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14114347902B	04/25/2014 15:09	Sandra J Miller	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 16:30	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400101B	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14115023501A	04/25/2014 08:00	Susan E Hibner	1

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

Sample Description: B-49M Water
BP Sanborn COC: 192483
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440683
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 12:30 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

B-49M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	1.6		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.		0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	4.1	J	1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	13		3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0685	J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0166		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	23.7		1.0	2.0	5

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

Sample Description: **B-49M Water**
BP Sanborn COC: 192483
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7440683
LL Group # 1469405
Account # 12495

Project Name: BP Sanborn

Collected: 04/23/2014 12:30 by RCB

Submitted: 04/24/2014 09:30
Reported: 05/05/2014 09:18

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

B-49M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,440	150	500	500
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.5	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	51.6	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	16.9	0.80	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/29/2014 01:41	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/29/2014 01:41	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141210023A	05/02/2014 18:08	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141180635001	04/29/2014 08:00	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141180635001	04/29/2014 08:00	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141180635001	04/28/2014 23:52	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14114347902B	04/25/2014 05:16	Sandra J Miller	5
00368	Nitrate Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 05:16	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14114347902B	04/25/2014 05:16	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14114347902B	04/25/2014 14:53	Sandra J Miller	500
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 16:44	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14119400101B	04/29/2014 07:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14115023501A	04/25/2014 08:00	Susan E Hibner	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469405
Reported: 05/05/14 at 09:18 AM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: L141182AA	Sample number(s): 7440680-7440683								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	82		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	103		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	101		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	97		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	104		74-130		
Chlorobenzene	N.D.	0.50	1.0	ug/l	105		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	94		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	86		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	108		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	89		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	108		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	87		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	110		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	105		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	108		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	99		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	101		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	100		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	108		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	92		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	113		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	91		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	100		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	107		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	95		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	95		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	94		63-120		
Batch number: 141210023A	Sample number(s): 7440680-7440683								
Ethane	N.D.	1.0	5.0	ug/l	96		80-120		
Ethene	N.D.	1.0	5.0	ug/l	94		80-120		
Methane	N.D.	3.0	5.0	ug/l	97		80-120		
Batch number: 141140635001	Sample number(s): 7440680-7440681								
Iron	N.D.	0.0430	0.400	mg/l	110		90-112		

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469405
Reported: 05/05/14 at 09:18 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Manganese	N.D.	0.00083	0.0100	mg/l	109		90-110		
Batch number: 141180635001	Sample number(s): 7440682-7440683								
Iron	N.D.	0.0430	0.400	mg/l	104		90-112		
Manganese	N.D.	0.00083	0.0100	mg/l	106		90-110		
Batch number: 14114347902B	Sample number(s): 7440680-7440683								
Chloride	N.D.	0.20	0.40	mg/l	96		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	99		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	98		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	101		90-110		
Batch number: 14120237306A	Sample number(s): 7440680-7440683								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	110		86-114		
Batch number: 14115023501A	Sample number(s): 7440680-7440683								
Biochemical Oxygen Demand					94		85-115		
Batch number: 14119400101B	Sample number(s): 7440680-7440683								
Chemical Oxygen Demand	N.D.	12.8	50.0	mg/l	104		94-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L141182AA	Sample number(s): 7440680-7440683 UNSPK: P442061								
Benzyl Chloride	77	79	53-117	4	30				
Bromobenzene	105	108	82-115	2	30				
Bromodichloromethane	110	110	73-125	0	30				
Bromoform	106	107	48-118	1	30				
Bromomethane	104	107	47-129	3	30				
Carbon Tetrachloride	123	123	75-148	0	30				
Chlorobenzene	112	112	87-124	0	30				
Chloroethane	103	108	55-130	4	30				
2-Chloroethyl Vinyl Ether	85	89	10-151	5	30				
Chloroform	114	116	81-134	2	30				
Chloromethane	97	98	61-125	1	30				
Dibromochloromethane	116	115	74-116	1	30				
Dibromomethane	106	107	83-119	2	30				
1,2-Dichlorobenzene	105	106	84-119	2	30				
1,3-Dichlorobenzene	106	108	86-121	2	30				
1,4-Dichlorobenzene	107	109	85-121	2	30				
Dichlorodifluoromethane	114	114	58-156	0	30				
1,1-Dichloroethane	110	110	84-129	0	30				
1,2-Dichloroethane	113	116	63-142	2	30				
1,1-Dichloroethene	121	122	79-137	1	30				
cis-1,2-Dichloroethene	113	115	80-141	1	30				
trans-1,2-Dichloroethene	120	121	86-131	1	30				
1,2-Dichloropropane	102	105	83-124	2	30				
cis-1,3-Dichloropropene	100	104	70-116	4	30				

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469405
Reported: 05/05/14 at 09:18 AM

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
trans-1,3-Dichloropropene	100	101	74-119	1	30				
Methylene Chloride	112	114	78-133	2	30				
1,1,1,2-Tetrachloroethane	115	116	80-123	1	30				
1,1,2,2-Tetrachloroethane	89	93	72-128	4	30				
Tetrachloroethene	130*	129*	80-128	1	30				
1,1,1-Trichloroethane	104	105	69-140	1	30				
1,1,2-Trichloroethane	102	103	71-141	1	30				
Trichloroethene	118	120	88-133	1	30				
Trichlorofluoromethane	119	119	63-163	0	30				
1,2,3-Trichloropropane	95	97	76-118	3	30				
Vinyl Chloride	105	110	66-133	5	30				
Batch number: 141210023A	Sample number(s): 7440680-7440683 UNSPK: P440658								
Ethane	-192 (2)	-147 (2)	32-129	3	20				
Ethene	518 (2)	465 (2)	35-162	3	20				
Methane	-7478 (2)	-8875 (2)	35-157	7	20				
Batch number: 141140635001	Sample number(s): 7440680-7440681 UNSPK: P440512 BKG: P440512								
Iron	109	110	75-125	0	20	1.34	1.35	1 (1)	20
Manganese	109	110	75-125	0	20	0.0301	0.0301	0 (1)	20
Batch number: 141180635001	Sample number(s): 7440682-7440683 UNSPK: P442061 BKG: P442061								
Iron	105	106	75-125	1	20	N.D.	N.D.	0 (1)	20
Manganese	104	104	75-125	1	20	N.D.	N.D.	0 (1)	20
Batch number: 14114347902B	Sample number(s): 7440680-7440683 UNSPK: P440512 BKG: P440512								
Chloride	114*		90-110			7.2	7.4	3 (1)	20
Nitrate Nitrogen	116*		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	110		90-110			N.D.	N.D.	0 (1)	20
Sulfate	121*		90-110			41.2	41.3	0	20
Batch number: 14120237306A	Sample number(s): 7440680-7440683 UNSPK: P442061 BKG: P442061								
Dissolved Organic Carbon	114		54-135			3.4	3.0	10* (1)	2
Batch number: 14115023501A	Sample number(s): 7440680-7440683 UNSPK: P441353 BKG: P441352								
Biochemical Oxygen Demand	104	101	69-139	3	8	187	191	2	15
Batch number: 14119400101B	Sample number(s): 7440680-7440683 UNSPK: P441535 BKG: P441535								
Chemical Oxygen Demand	93		90-110			182	173	5 (1)	5

Surrogate Quality Control

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

Analysis Name: VOCs TCL (4.3) 8260C
Batch number: L141182AA

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469405
Reported: 05/05/14 at 09:18 AM

Surrogate Quality Control

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7440680	105	103	97	95
7440681	105	102	96	95
7440682	105	103	97	94
7440683	106	103	96	94
Blank	102	102	97	96
LCS	102	100	98	97
MS	104	101	98	96
MSD	104	101	98	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 141210023A

	Propene
7440680	75
7440681	70
7440682	66
7440683	79
Blank	90
LCS	92
MS	57
MSD	69
Limits:	42-131

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

A-12495 G-1469405 S-744068O-84

bp rm

Laboratory Management Program LaMP Chain of Custody Record R215294

Page 1 of 3

BP Site Node Path: BP, Sanborn

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

BP Facility No: _____

Lab Work Order Number: _____

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn NY 14132	Consultant/Contractor Project No:
Lab PM: Kathryn Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.: 00084-0006	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 409-4990 Email:
Lab Bottle Order No: ~~450279~~	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barbon

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Nitrite, Sulfate	Iron, Manganese	COD	Methane, Ethane, Ethene
	B-13M	4/23/14	0920		X		Y	3	X					X						
								1	X						X					
								1	X							X				
								2	X								X			
								1			X							X		
								1		X									X	
								2				X								X
	B-48M		1050					3	X					X						
								1	X						X					
								1	X							X				

Sampler's Name: Richard C Becker

Sampler's Company: O+M Enterprises Inc.

Shipment Method: UPS Ship Date: 4/23/14

Shipment Tracking No: 1Z 75Y 02X YO 4135 9654

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
~~SDG~~	~~4/23/14~~	~~1515~~			
Richard C Becker	4/23/14	1530			
			ELLE	4/24/14	0930

Special Instructions:

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

BCE 4/24/14

A-12495 G-1469405 S-74406680-84

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

192487

Page 2 of 3

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

Lab Name: Lancaster Lab	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone (716) 407-4990
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 60 Activity: 81	Invoice To: BP/ARC ✓ Contractor ___

BP/ARC EBM: Bill Barber
EBM Phone: (216) 271-8038
EBM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Water / Liquid	Air / Vapor		No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol		Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Sulfate	Iron, Manganese	COD	Methane, Ethane, Ethene				Report Type & QC Level
	B-48M	4/23/14	1050					5/2	X									X							Standard ___
								1			X								X						Full Data Package ___
								1		X										X					
								2				X									X				Comments
	DUP 05							3	X						X										Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.
								1	X							X									
								1	X								X								
								2	X									X							
								1			X								X						
								1		X										X					

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: QVM Enterprises Inc.	Richard C Becker	4/23/14	1530			
Shipment Method: UPS Ship Date: 4/23/14						
Shipment Tracking No: 1Z 75Y 02X YO 4135 9654				ELLE	4/24/14	0930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No (ELE 4/24/14) | Temp Blank: Yes / No | Cooler Temp on Receipt: _____ °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

A - 12495 G-1469 405

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

192483
S-744068O-84

Page 3 of 3

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

Lab Name: Lancaster Lab	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 14202
Lab Phone: (717) 656-2306	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone: (716) 407-4990
Lab Bottle Order No:	Accounting Mode: LD Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: 66 Activity: 81	Invoice To: BP/ARC ✓ Contractor ___

BP/ARC EBM: Bill Barber
EBM Phone: (216) 271-8038
EBM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix:	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Sulfate	Iron, Manganese	COD	Methane, Ethane, Ethene			
	DUP 05	4/23/14			X			2				X								X			
	B-49M		1230					3	X					X									
								1	X						X								
								1	X							X							
								2	X								X						
								1			X							X					
								1		X									X				
								2				X								X			

Report Type & QC Level
Standard ___
Full Data Package ___

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Dorm Enterprises Inc.	Richard C Becker	4/23/14	1530			
Shipment Method: UPS Ship Date: 4/23/14						
Shipment Tracking No: 1Z75Y02X0341359654				ELLE	4/24/14	0830

Special Instructions:

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

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 12609

Group Number(s): 1469405

Client: BP

BP SANBORN

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/24/2014 9:30
Number of Packages:	1	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	2
Custody Seal Present:	No	Trip Blank Type:	UNPRESERVED
Custody Seal Intact:	N/A	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Corey Eshleman (3647) at 10:39 on 04/24/2014

Samples Chilled Details: BP SANBORN

Thermometer Types: *DT = Digital (Temp. Bottle)* *IR = Infrared (Surface Temp)* *All Temperatures in °C.*

Cooler #	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Samples Collected Same Day as Receipt?	Elevated Temp?
1	DT131	5.7	DT	Wet	Y	Bagged	N	N

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

May 02, 2014

Project: BP Sanborn

Submittal Date: 04/23/2014
Group Number: 1469039
PO Number: D00B4-0005
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
B-41M Water	7439160
B-40M Water	7439161
B-39M Water	7439162
B-10M Water	7439163

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

Project Name: BP Sanborn
LLI Group #: 1469039

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 not 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 8260C, GC/MS Volatiles

Batch #: L141182AA (Sample number(s): 7439160-7439163 UNSPK: P442061)

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

EPA 415.1 modified, Wet Chemistry

Batch #: 14120237306A (Sample number(s): 7439160-7439163 UNSPK: P442061 BKG: P442061)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Dissolved Organic Carbon

SM 5210 B-2001, Wet Chemistry

Batch #: 14114023501A (Sample number(s): 7439163 UNSPK: P439956 BKG: P439956)

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Biochemical Oxygen Demand

Sample Description: B-41M Water
BP Sanborn COC: R215552
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439160
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 09:45 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-41M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	7.9		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	0.84	J	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	N.D.		3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.458		0.0430	0.400	1
07058	Manganese	7439-96-5	0.0191		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	79.4		4.0	8.0	20

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

Sample Description: B-41M Water
BP Sanborn COC: R215552
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439160
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 09:45 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-41M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	152	6.0	20.0	20
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.0	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.9	2.9	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/28/2014 22:16	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/28/2014 22:16	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141200025A	04/30/2014 22:18	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141140635001	04/25/2014 13:46	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	141140635001	04/25/2014 13:46	Joanne M Gates	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141140635001	04/25/2014 00:07	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14113987601A	04/24/2014 17:03	Sandra J Miller	20
00368	Nitrate Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 16:47	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 16:47	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14113987601A	04/24/2014 17:03	Sandra J Miller	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 15:12	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14115400102A	04/25/2014 09:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14113023502A	04/23/2014 16:15	Susan A Engle	1

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

Sample Description: B-40M Water
BP Sanborn COC: R215552/53
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439161
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 11:25 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-40M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	2.2	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	1.4	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.327 J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0963	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	31.4	2.0	4.0	10

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

Sample Description: B-40M Water
BP Sanborn COC: R215552/53
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439161
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 11:25 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-40M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	1,210	60.0	200	200
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.7	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	4.3	0.80	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/28/2014 22:39	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/28/2014 22:39	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141200025A	04/30/2014 23:13	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141140635001	04/25/2014 13:50	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	141140635001	04/25/2014 13:50	Joanne M Gates	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141140635001	04/25/2014 00:07	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14113987601A	04/24/2014 17:20	Sandra J Miller	10
00368	Nitrate Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 17:03	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 17:03	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14113987601A	04/24/2014 17:36	Sandra J Miller	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 15:24	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14115400102A	04/25/2014 09:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14113023502A	04/23/2014 16:15	Susan A Engle	1

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

Sample Description: B-39M Water
BP Sanborn COC: R215553/272
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439162
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 13:15 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-39M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	2.6	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	7.5	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0804 J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0055 J	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	84.9	4.0	8.0	20

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

Sample Description: B-39M Water
BP Sanborn COC: R215553/272
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439162
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 13:15 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-39M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	1.9	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	83.3	6.0	20.0	20
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	4.1	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.2	3.2	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/28/2014 23:02	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/28/2014 23:02	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141200025A	04/30/2014 23:31	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141140635001	04/25/2014 14:03	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	141140635001	04/25/2014 14:03	Joanne M Gates	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141140635001	04/25/2014 00:07	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14113987601A	04/24/2014 17:52	Sandra J Miller	20
00368	Nitrate Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 17:19	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 17:19	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14113987601A	04/24/2014 17:52	Sandra J Miller	20
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 15:38	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14115400102A	04/25/2014 09:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14113023502A	04/23/2014 16:15	Susan A Engle	1

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

Sample Description: B-10M Water
BP Sanborn COC: R215272
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439163
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 14:55 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-10M

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	1.9	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	1.8	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	19	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**	**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.	1.0	5.0	1
07105	Ethene	74-85-1	N.D.	1.0	5.0	1
07105	Methane	74-82-8	N.D.	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**	**mg/l**	**mg/l**	
01754	Iron	7439-89-6	1.31	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0058 J	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	170	10.0	20.0	50

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

Sample Description: B-10M Water
BP Sanborn COC: R215272
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7439163
LL Group # 1469039
Account # 12495

Project Name: BP Sanborn

Collected: 04/22/2014 14:55 by RCB

Submitted: 04/23/2014 08:10
Reported: 05/02/2014 10:46

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

B-10M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	1.7	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	123	15.0	50.0	50
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.3	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.0	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141182AA	04/28/2014 23:25	Sarah A Guill	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141182AA	04/28/2014 23:25	Sarah A Guill	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141200025A	04/30/2014 23:50	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141140635001	04/25/2014 14:07	Joanne M Gates	1
07058	Manganese	SW-846 6010C	1	141140635001	04/25/2014 14:07	Joanne M Gates	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141140635001	04/25/2014 00:07	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14113987601A	04/24/2014 18:08	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 17:35	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14113987601A	04/23/2014 17:35	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14113987601A	04/24/2014 18:08	Sandra J Miller	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14120237306A	04/30/2014 15:51	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14115400102B	04/25/2014 09:15	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14114023501A	04/24/2014 06:01	Susan A Engle	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469039
Reported: 05/02/14 at 10:46 AM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: L141182AA	Sample number(s): 7439160-7439163								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	82		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	103		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	101		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	97		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	104		74-130		
Chlorobenzene	N.D.	0.50	1.0	ug/l	105		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	94		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	86		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	108		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	89		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	108		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	101		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	102		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	104		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	87		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	110		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	105		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	106		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	108		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	99		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	101		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	100		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	105		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	108		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	92		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	113		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	91		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	100		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	107		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	95		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	95		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	94		63-120		
Batch number: 141200025A	Sample number(s): 7439160-7439163								
Ethane	N.D.	1.0	5.0	ug/l	100		80-120		
Ethene	N.D.	1.0	5.0	ug/l	100		80-120		
Methane	N.D.	3.0	5.0	ug/l	102		80-120		
Batch number: 141140635001	Sample number(s): 7439160-7439163								
Iron	N.D.	0.0430	0.400	mg/l	110		90-112		

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469039
Reported: 05/02/14 at 10:46 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Manganese	N.D.	0.00083	0.0100	mg/l	109		90-110		
Batch number: 14113987601A	Sample number(s): 7439160-7439163								
Chloride	N.D.	0.20	0.40	mg/l	97	97	90-110	0	20
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	98	98	90-110	0	20
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	97	97	90-110	0	20
Sulfate	N.D.	0.30	1.0	mg/l	97	97	90-110	0	20
Batch number: 14120237306A	Sample number(s): 7439160-7439163								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	110		86-114		
Batch number: 14113023502A	Sample number(s): 7439160-7439162								
Biochemical Oxygen Demand					100		85-115		
Batch number: 14114023501A	Sample number(s): 7439163								
Biochemical Oxygen Demand					98		85-115		
Batch number: 14115400102A	Sample number(s): 7439160-7439162								
Chemical Oxygen Demand	N.D.	12.8	50.0	mg/l	100		94-110		
Batch number: 14115400102B	Sample number(s): 7439163								
Chemical Oxygen Demand	N.D.	12.8	50.0	mg/l	100		94-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L141182AA	Sample number(s): 7439160-7439163 UNSPK: P442061								
Benzyl Chloride	77	79	53-117	4	30				
Bromobenzene	105	108	82-115	2	30				
Bromodichloromethane	110	110	73-125	0	30				
Bromoform	106	107	48-118	1	30				
Bromomethane	104	107	47-129	3	30				
Carbon Tetrachloride	123	123	75-148	0	30				
Chlorobenzene	112	112	87-124	0	30				
Chloroethane	103	108	55-130	4	30				
2-Chloroethyl Vinyl Ether	85	89	10-151	5	30				
Chloroform	114	116	81-134	2	30				
Chloromethane	97	98	61-125	1	30				
Dibromochloromethane	116	115	74-116	1	30				
Dibromomethane	106	107	83-119	2	30				
1,2-Dichlorobenzene	105	106	84-119	2	30				
1,3-Dichlorobenzene	106	108	86-121	2	30				
1,4-Dichlorobenzene	107	109	85-121	2	30				
Dichlorodifluoromethane	114	114	58-156	0	30				
1,1-Dichloroethane	110	110	84-129	0	30				
1,2-Dichloroethane	113	116	63-142	2	30				
1,1-Dichloroethene	121	122	79-137	1	30				
cis-1,2-Dichloroethene	113	115	80-141	1	30				
trans-1,2-Dichloroethene	120	121	86-131	1	30				

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469039
Reported: 05/02/14 at 10:46 AM

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
1,2-Dichloropropane	102	105	83-124	2	30				
cis-1,3-Dichloropropene	100	104	70-116	4	30				
trans-1,3-Dichloropropene	100	101	74-119	1	30				
Methylene Chloride	112	114	78-133	2	30				
1,1,1,2-Tetrachloroethane	115	116	80-123	1	30				
1,1,2,2-Tetrachloroethane	89	93	72-128	4	30				
Tetrachloroethene	130*	129*	80-128	1	30				
1,1,1-Trichloroethane	104	105	69-140	1	30				
1,1,2-Trichloroethane	102	103	71-141	1	30				
Trichloroethene	118	120	88-133	1	30				
Trichlorofluoromethane	119	119	63-163	0	30				
1,2,3-Trichloropropane	95	97	76-118	3	30				
Vinyl Chloride	105	110	66-133	5	30				
Batch number: 141200025A	Sample number(s): 7439160-7439163 UNSPK: 7439160								
Ethane	91	86	32-129	6	20				
Ethene	100	91	35-162	10	20				
Methane	93	87	35-157	6	20				
Batch number: 141140635001	Sample number(s): 7439160-7439163 UNSPK: P440512 BKG: P440512								
Iron	109	110	75-125	0	20	1.34	1.35	1 (1)	20
Manganese	109	110	75-125	0	20	0.0301	0.0301	0 (1)	20
Batch number: 14113987601A	Sample number(s): 7439160-7439163 UNSPK: P438572 BKG: P438572								
Chloride	90		90-110			41.4	42.0	2	20
Nitrate Nitrogen	97		90-110			1.4	1.4	0 (1)	20
Nitrite Nitrogen	91		90-110			N.D.	N.D.	0 (1)	20
Sulfate	96		90-110			17.2	16.9	2 (1)	20
Batch number: 14120237306A	Sample number(s): 7439160-7439163 UNSPK: P442061 BKG: P442061								
Dissolved Organic Carbon	114		54-135			3.4	3.0	10* (1)	2
Batch number: 14113023502A	Sample number(s): 7439160-7439162 UNSPK: P438596 BKG: P438816								
Biochemical Oxygen Demand	109	112	69-139	3	8	1,060	1,050	1	15
Batch number: 14114023501A	Sample number(s): 7439163 UNSPK: P439956 BKG: P439956								
Biochemical Oxygen Demand	111	121	69-139	9*	8	N.D.	N.D.	0 (1)	15
Batch number: 14115400102A	Sample number(s): 7439160-7439162 UNSPK: P438829 BKG: P438829								
Chemical Oxygen Demand	100		90-110			2,020	2,110	4	5
Batch number: 14115400102B	Sample number(s): 7439163 UNSPK: P440137 BKG: P438829								
Chemical Oxygen Demand	108		90-110			2,020	2,110	4	5

Surrogate Quality Control

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1469039
Reported: 05/02/14 at 10:46 AM

Surrogate Quality Control

Analysis Name: VOCs TCL (4.3) 8260C
Batch number: L141182AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7439160	104	102	97	95
7439161	105	102	97	94
7439162	104	103	97	95
7439163	104	102	96	94
Blank	102	102	97	96
LCS	102	100	98	97
MS	104	101	98	96
MSD	104	101	98	96
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 141200025A

	Propene
7439160	75
7439161	81
7439162	72
7439163	76
Blank	97
LCS	98
MS	80
MSD	74
Limits:	42-131

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

12495 1469639 7439160-64

Laboratory Management Program LaMP Chain of Custody Record R215552

Page 1 of 3

BP Site Node Path: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kathlin Hostetter	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 380 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D0064-0005	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Corraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP X Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8035

BP PM Email:

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

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260	BOD	DOC	Chloride, Nitrate, Sulfate	COD	Iron, Manganese	Methane, Ethane, Ethene
	B-41M	4/22/14	0945		X		Y	3	X					X						
	"	"	"		"		"	1	X						X					
	"	"	"		"		"	1	X							X				
	"	"	"		"		"	2	X								X			
	"	"	"		"		"	1		X								X		
	"	"	"		"		"	1			X								X	
	"	"	"		"		"	2				X								X
	B-40M	"	1125		"		"	3	X					X						
	"	"	"		"		"	1	X						X					
	"	"	"		"		"	1	X							X				

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises Inc.	Richard C Becker	4/22/14	1535			
Shipment Method: UPS Ship Date: 4/22/14						
Shipment Tracking No: 1Z 75Y 02X YO 4680 4688				ELLE	4/23/14	0810

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 2.9 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

12495 1469039 7439160-64

bp rm Laboratory Management Program LaMP Chain of Custody Record R215553

Page 2 of 3

BP Site Node Path: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___
BP Project Manager (PM): Bill Barber		
BP PM Phone: (216) 271-8038		
BP PM Email:		

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Nitrite, Sulfate	COD	Iron + Manganese	Methane, Ethane, Ethene
	B-40M	4/22/14	1125		X		Y	2	X								X			
	"	"	"		"		"	1		X								X		
	"	"	"		"		"	1			X								X	
	"	"	"		"		"	2				X								X
	B-39M		1315					3	X					X						
								1	X						X					
								1	X						X	X				
								2	X								X			
								1		X								X		
								1			X								X	

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

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises Inc.	Richard C Becker	4/22/14	1535			
Shipment Method: UPS Ship Date: 4/22/14						
Shipment Tracking No: 1Z 75Y 02X YO 4080 4638				ELLIE	4/23/14	0810

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 2.9 °F (C) | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

12495 14690039 7439160-64

Laboratory Management Program LaMP Chain of Custody Record R215272

Page 3 of 3

BP Site Node Path: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No ✓

BP Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kathryn Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Welser and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	BOD	DOC	Chloride, Nitrate, Nitrite, Sulfate	COD	Iron + Manganese	Methane, Ethane, Ethene
	B-39m	4/22/14	1315		X		Y	2				X								X
	B-10m		1455					3	X					X						
								1	X						X					
								1	X							X				
								2	X								X			
								1		X								X		
								1			X								X	
								2				X								X

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

Comments

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: QEM Enterprises Inc.	Richard C Becker	4/22/14	1535			
Shipment Method: UPS Ship Date: 4/22/14						
Shipment Tracking No: 1Z75Y02Y YO 4080 4638				ELLE	4/23/14	0815

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 2.9 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 12446

Group Number(s): 1409039

Client: Parsons

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/23/2014 8:10
Number of Packages:	1	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	3
Custody Seal Present:	Yes	Trip Blank Type:	Unpreserved
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Joseph Gruber (5200) at 08:54 on 04/23/2014

Samples Chilled Details

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	2.9	2.9	DT	Wet	Y	Bagged	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425

T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

April 28, 2014

Project: BP Sanborn

Submittal Date: 04/17/2014
Group Number: 1467822
PO Number: D00B4-0005
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
B-17M Water	7433449
B-44M Water	7433450
B-43M Water	7433451
B-42M Water	7433452

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

Project Name: BP Sanborn
LLI Group #: 1467822

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 not 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:

RSKSOP-175 modified, GC Miscellaneous

Batch #: 141140005A (Sample number(s): 7433449-7433452 UNSPK: P432509)

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

EPA 300.0, Wet Chemistry

Batch #: 14107347902A (Sample number(s): 7433449-7433452 UNSPK: 7433449 BKG: 7433449)

The recovery(ies) for the following analyte(s) in the MS was outside the acceptance window: Chloride, Nitrate Nitrogen

EPA 415.1 modified, Wet Chemistry

Batch #: 14115049504A (Sample number(s): 7433449-7433452 UNSPK: P432944 BKG: P432944)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Dissolved Organic Carbon

EPA 410.4, Wet Chemistry

Batch #: 14112400102A (Sample number(s): 7433449-7433452 UNSPK: P432879 BKG: P432879)

The duplicate RPD for the following analyte(s) exceeded the acceptance window: Chemical Oxygen Demand

SM 5210 B-2001, Wet Chemistry

Batch #: 14107023501A (Sample number(s): 7433449-7433452 UNSPK: P432942 BKG: P432941)

The relative percent difference(s) for the following analyte(s) in the MS/MSD were outside outside acceptance windows: Biochemical Oxygen Demand

Sample Description: B-17M Water
BP Sanborn COC: R215549
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433449
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 09:30 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-17M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		10	50	10
11997	Bromobenzene	108-86-1	N.D.		10	50	10
11997	Bromodichloromethane	75-27-4	N.D.		5.0	10	10
11997	Bromoform	75-25-2	N.D.		5.0	40	10
11997	Bromomethane	74-83-9	N.D.		5.0	10	10
11997	Carbon Tetrachloride	56-23-5	N.D.		5.0	10	10
11997	Chlorobenzene	108-90-7	N.D.		5.0	10	10
11997	Chloroethane	75-00-3	N.D.		5.0	10	10
11997	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.						
11997	Chloroform	67-66-3	N.D.		5.0	10	10
11997	Chloromethane	74-87-3	N.D.		5.0	10	10
11997	Dibromochloromethane	124-48-1	N.D.		5.0	10	10
11997	Dibromomethane	74-95-3	N.D.		5.0	10	10
11997	1,2-Dichlorobenzene	95-50-1	N.D.		10	50	10
11997	1,3-Dichlorobenzene	541-73-1	N.D.		10	50	10
11997	1,4-Dichlorobenzene	106-46-7	N.D.		10	50	10
11997	Dichlorodifluoromethane	75-71-8	N.D.		5.0	10	10
11997	1,1-Dichloroethane	75-34-3	77		5.0	10	10
11997	1,2-Dichloroethane	107-06-2	N.D.		5.0	10	10
11997	1,1-Dichloroethene	75-35-4	39		5.0	10	10
11997	cis-1,2-Dichloroethene	156-59-2	6,300		50	100	100
11997	trans-1,2-Dichloroethene	156-60-5	34		5.0	10	10
11997	1,2-Dichloropropane	78-87-5	N.D.		5.0	10	10
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		5.0	10	10
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		5.0	10	10
11997	Methylene Chloride	75-09-2	N.D.		20	30	10
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		5.0	10	10
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		5.0	10	10
11997	Tetrachloroethene	127-18-4	7.7	J	5.0	10	10
11997	1,1,1-Trichloroethane	71-55-6	17		5.0	10	10
11997	1,1,2-Trichloroethane	79-00-5	N.D.		5.0	10	10
11997	Trichloroethene	79-01-6	8,300		50	100	100
11997	Trichlorofluoromethane	75-69-4	N.D.		5.0	10	10
11997	1,2,3-Trichloropropane	96-18-4	N.D.		10	50	10
11997	Vinyl Chloride	75-01-4	660		5.0	10	10
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	1.3	J	1.0	5.0	1
07105	Ethene	74-85-1	9.4		1.0	5.0	1
07105	Methane	74-82-8	44		3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.232	J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0659		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	75.1		10.0	20.0	50

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

Sample Description: B-17M Water
BP Sanborn COC: R215549
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433449
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 09:30 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-17M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	125	15.0	50.0	50
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	3.6	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.5	3.5	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 17:44	Angela D Sneeringer	10
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 18:06	Angela D Sneeringer	100
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 17:44	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141111AA	04/21/2014 18:06	Angela D Sneeringer	100
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141140005A	04/24/2014 16:12	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141110635001	04/22/2014 20:48	Maria A Orrs	1
07058	Manganese	SW-846 6010C	1	141110635001	04/22/2014 20:48	Maria A Orrs	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141110635001	04/22/2014 10:37	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14107347902A	04/18/2014 00:47	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 00:31	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 00:31	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14107347902A	04/18/2014 20:01	Sandra J Miller	50
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14115049504A	04/25/2014 23:43	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14112400102A	04/22/2014 06:38	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14107023501A	04/17/2014 10:55	Susan A Engle	1

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

Sample Description: **B-44M Water**
BP Sanborn COC: R215549 & R215550
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433450
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 11:25 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-44M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	6.3		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	20		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	0.60	J	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	53		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	2.7		0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	27		1.0	5.0	1
07105	Ethene	74-85-1	7.4		1.0	5.0	1
07105	Methane	74-82-8	36		3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.0458	J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0083	J	0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	73.4		10.0	20.0	50

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

Sample Description: B-44M Water
BP Sanborn COC: R215549 & R215550
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433450
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 11:25 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-44M

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.		0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.		0.40	0.50	5
00228	Sulfate	14808-79-8	1,510		60.0	200	200
	EPA 415.1 modified		**mg/l**		**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.5		0.50	1.0	1
	EPA 410.4		**mg/l**		**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	26.4	J	12.8	50.0	1
	SM 5210 B-2001		**mg/l**		**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	16.2		0.80	3.0	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 18:29	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 18:29	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141140005A	04/24/2014 16:30	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141110635001	04/22/2014 21:00	Maria A Orrs	1
07058	Manganese	SW-846 6010C	1	141110635001	04/22/2014 21:00	Maria A Orrs	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141110635001	04/22/2014 10:37	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14107347902A	04/18/2014 02:24	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 02:08	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 02:08	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14107347902A	04/18/2014 16:46	Sandra J Miller	200
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14115049504A	04/25/2014 23:58	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14112400102A	04/22/2014 06:38	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14107023501A	04/17/2014 10:55	Susan A Engle	1

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

Sample Description: **B-43M Water**
BP Sanborn COC: R215550 & R215551
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433451
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 13:30 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-43M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	5.2		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	13		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	1.5		0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	4.7	J	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	0.142	J	0.0430	0.400	1
07058	Manganese	7439-96-5	0.0345		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	46.8		10.0	20.0	50

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

Sample Description: B-43M Water
BP Sanborn COC: R215550 & R215551
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433451
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 13:30 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-43M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	N.D.	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	991	30.0	100	100
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	1.7	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	3.6	3.6	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 18:52	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 18:52	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141140005A	04/24/2014 16:48	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141110635001	04/22/2014 21:04	Maria A Orrs	1
07058	Manganese	SW-846 6010C	1	141110635001	04/22/2014 21:04	Maria A Orrs	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141110635001	04/22/2014 10:37	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14107347902A	04/18/2014 02:57	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 02:40	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 02:40	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14107347902A	04/18/2014 17:03	Sandra J Miller	100
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14115049504A	04/26/2014 00:30	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14112400102A	04/22/2014 06:38	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14107023501A	04/17/2014 10:55	Susan A Engle	1

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

Sample Description: B-42M Water
BP Sanborn COC: R215551
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433452
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 14:45 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-42M

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	7.8		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	1.0		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	9.3		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.		0.50	1.0	1
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	3.8	J	3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	N.D.		0.0430	0.400	1
07058	Manganese	7439-96-5	0.0113		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	62.6		10.0	20.0	50

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

Sample Description: **B-42M Water**
BP Sanborn COC: R215551
2040 Cory Dr - Sanborn, NY

LL Sample # WW 7433452
LL Group # 1467822
Account # 12495

Project Name: BP Sanborn

Collected: 04/16/2014 14:45 by RCB

Submitted: 04/17/2014 09:30
Reported: 04/28/2014 09:03

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

B-42M

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	0.74	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	66.8	1.5	5.0	5
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.1	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	2.9	2.9	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 19:15	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 19:15	Angela D Sneeringer	1
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141140005A	04/24/2014 17:06	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141110635001	04/22/2014 21:09	Maria A Orrs	1
07058	Manganese	SW-846 6010C	1	141110635001	04/22/2014 21:09	Maria A Orrs	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141110635001	04/22/2014 10:37	Micaela L Dishong	1
00224	Chloride	EPA 300.0	1	14107347902A	04/18/2014 04:01	Sandra J Miller	50
00368	Nitrate Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 03:45	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14107347902A	04/18/2014 03:45	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14107347902A	04/18/2014 21:38	Sandra J Miller	5
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14115049504A	04/26/2014 00:46	James S Mathiot	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14112400102A	04/22/2014 06:38	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14107023501A	04/17/2014 10:55	Susan A Engle	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467822
Reported: 04/28/14 at 09:03 AM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: L141111AA	Sample number(s): 7433449-7433452								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	77		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	99		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	95		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	96		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	104		74-130		
Chlorobenzene	N.D.	0.50	1.0	ug/l	98		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	92		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	86		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	104		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	91		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	102		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	100		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	94		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	114		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	100		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	108		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	105		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	100		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	103		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	94		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	94		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	94		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	92		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	107		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	91		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	95		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	101		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	109		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	96		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	97		63-120		
Batch number: 141140005A	Sample number(s): 7433449-7433452								
Ethane	N.D.	1.0	5.0	ug/l	94		80-120		
Ethene	N.D.	1.0	5.0	ug/l	93		80-120		
Methane	N.D.	3.0	5.0	ug/l	98		80-120		
Batch number: 141110635001	Sample number(s): 7433449-7433452								
Iron	N.D.	0.0430	0.400	mg/l	109		90-112		

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467822
Reported: 04/28/14 at 09:03 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Manganese	N.D.	0.00083	0.0100	mg/l	106		90-110		
Batch number: 14107347902A	Sample number(s): 7433449-7433452								
Chloride	N.D.	0.20	0.40	mg/l	98		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	102		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	100		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	100		90-110		
Batch number: 14115049504A	Sample number(s): 7433449-7433452								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	101		86-114		
Batch number: 14107023501A	Sample number(s): 7433449-7433452								
Biochemical Oxygen Demand					86		85-115		
Batch number: 14112400102A	Sample number(s): 7433449-7433452								
Chemical Oxygen Demand	N.D.	12.8	50.0	mg/l	99		94-110		

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L141111AA	Sample number(s): 7433449-7433452 UNSPK: P432582								
Benzyl Chloride	81	65	53-117	21	30				
Bromobenzene	104	86	82-115	18	30				
Bromodichloromethane	109	91	73-125	19	30				
Bromoform	105	85	48-118	22	30				
Bromomethane	112	92	47-129	20	30				
Carbon Tetrachloride	120	99	75-148	19	30				
Chlorobenzene	110	92	87-124	18	30				
Chloroethane	111	90	55-130	21	30				
2-Chloroethyl Vinyl Ether	88	85	10-151	4	30				
Chloroform	114	96	81-134	17	30				
Chloromethane	106	86	61-125	21	30				
Dibromochloromethane	113	93	74-116	19	30				
Dibromomethane	106	89	83-119	17	30				
1,2-Dichlorobenzene	102	86	84-119	17	30				
1,3-Dichlorobenzene	103	87	86-121	17	30				
1,4-Dichlorobenzene	104	88	85-121	16	30				
Dichlorodifluoromethane	135	108	58-156	22	30				
1,1-Dichloroethane	108	92	84-129	16	30				
1,2-Dichloroethane	115	97	63-142	17	30				
1,1-Dichloroethene	117	97	79-137	18	30				
cis-1,2-Dichloroethene	112	94	80-141	15	30				
trans-1,2-Dichloroethene	115	98	86-131	15	30				
1,2-Dichloropropane	104	87	83-124	17	30				
cis-1,3-Dichloropropene	103	84	70-116	20	30				
trans-1,3-Dichloropropene	100	83	74-119	19	30				
Methylene Chloride	108	91	78-133	17	30				
1,1,1,2-Tetrachloroethane	114	94	80-123	20	30				
1,1,2,2-Tetrachloroethane	91	76	72-128	18	30				

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467822
Reported: 04/28/14 at 09:03 AM

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
Tetrachloroethene	125	104	80-128	18	30				
1,1,1-Trichloroethane	117	97	69-140	18	30				
1,1,2-Trichloroethane	100	86	71-141	16	30				
Trichloroethene	117	98	88-133	15	30				
Trichlorofluoromethane	127	101	63-163	23	30				
1,2,3-Trichloropropane	96	81	76-118	18	30				
Vinyl Chloride	115	95	66-133	19	30				
Batch number: 141140005A	Sample number(s): 7433449-7433452 UNSPK: P432509								
Ethane	86	88	32-129	2	20				
Ethene	90	91	35-162	1	20				
Methane	-124 (2)	-22 (2)	35-157	9	20				
Batch number: 141110635001	Sample number(s): 7433449-7433452 UNSPK: P434299 BKG: P434299								
Iron	109	108	75-125	1	20	0.116 J	0.137 J	17 (1)	20
Manganese	104	103	75-125	1	20	0.142	0.148	4	20
Batch number: 14107347902A	Sample number(s): 7433449-7433452 UNSPK: 7433449 BKG: 7433449								
Chloride	116*		90-110			75.1	78.1	4 (1)	20
Nitrate Nitrogen	116*		90-110			N.D.	N.D.	0 (1)	20
Nitrite Nitrogen	107		90-110			N.D.	N.D.	0 (1)	20
Sulfate	104		90-110			125	123	2 (1)	20
Batch number: 14115049504A	Sample number(s): 7433449-7433452 UNSPK: P432944 BKG: P432944								
Dissolved Organic Carbon	59		54-135			1.9	1.8	4* (1)	2
Batch number: 14107023501A	Sample number(s): 7433449-7433452 UNSPK: P432942 BKG: P432941								
Biochemical Oxygen Demand	109	92	69-139	16*	8	255	243	5	15
Batch number: 14112400102A	Sample number(s): 7433449-7433452 UNSPK: P432879 BKG: P432879								
Chemical Oxygen Demand	93		90-110			26.4 J	N.D.	200* (1)	5

Surrogate Quality Control

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

Analysis Name: VOCs TCL (4.3) 8260C
Batch number: L141111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7433449	107	104	98	95
7433450	108	104	97	96
7433451	109	105	97	95
7433452	108	103	96	95
Blank	105	102	97	99
LCS	105	101	98	99
MS	106	101	98	99

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467822
Reported: 04/28/14 at 09:03 AM

Surrogate Quality Control

MSD	104	103	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 141140005A

	Propene
7433449	85
7433450	90
7433451	93
7433452	84
Blank	96
LCS	94
MS	92
MSD	93
Limits:	42-131

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

A-12495 G-1467822 S-74353449-453

Laboratory Management Program LaMP Chain of Custody Record R215549

Page 1 of 3

BP Site Node Path: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D0084.0005	Phone: (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP X Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (248) 271-8038

BP PM Email:

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

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	COD	BOD	Iron + Manganese	DOC	chloride nitrate nitrite sulfate	Methane / Ethane / Ethene
	B-17m	4/16/14	0930		X		Y	3	X					X						
								1		X					X					
								1	X							X				
								1			X						X			
								1	X									X		
								2	X										X	
								2				X								X
	B-44M		1125																	
								3	X					X						
								1		X					X					

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises Inc.	Richard C Becker	4/16/14	1545			
Shipment Method: UPS Ship Date: 4/16/14						
Shipment Tracking No: 1Z 75Y 02X YO4118 6645				ELLE	4.17.14	930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 1.7 °F (C) | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

A-12495 G-1467822 S-743344 9-453

bp rm

Laboratory Management Program LaMP Chain of Custody Record

R215550

Page 2 of 3

BP Site Node Path: BP Sanborn

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

BP Facility No: _____

Lab Work Order Number: _____

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor:
Lab Address: 2425 New Holland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address:
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM:
Lab Shipping Accnt:	Enfos Proposal No: D0084-0005	Phone: Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ___ Contractor ___

BP Project Manager (PM): B. H Barber

BP PM Phone: (216) 271-8038

BP PM Email:

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	COD	BOD	Iron + Manganese	DOC	Chloride, nitrate, nitrite, sulfate	Methane / Ethane / Ethene			
	B-44M	4/16/14	1125		X		Y	1	X							X							
								1			X						X						
								1	X									X					
								2	X										X				
								2				X								X			
	B-43M		1330					3	X					X									
								1		X	X				X								
								1	X							X							
								1			X						X						
								1	X									X					

Sampler's Name: Richard C Barber

Sampler's Company: O&M Enterprises Inc.

Shipment Method: UPS Ship Date: 4/16/14

Shipment Tracking No: 1Z 75Y 02X YO 4 1856 45

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Richard C Barber	4/16/14	1545			
			ELLE	4.17.14	930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: (Yes) / No | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 1.7 °F/C | Trip Blank: (Yes) / No | MS/MSD Sample Submitted: Yes / (No)

A-12495 G-14667822 S-7433449-453

Laboratory Management Program LaMP Chain of Custody Record R215551

BP Site Node Path: BP Sanborn | Req Due Date (mm/dd/yy): | Rush TAT: Yes ___ No X

BP Facility No: | Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2046 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 Newholland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D0084-0005	Phone: (716) 497-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Welser and to lab.enfosdoc@bp.com
Other Info:	Stage: 66 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (716) 271-8038

BP PM Email:

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

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	COD	BOD	Iron + Manganese	DOC	Chloride, nitrate, nitrite, sulfate	Methane, Ethane, Ethene
	B-43m	4/16/14	1330		X		Y	2	X									X	X	
	B-43M		1330					2				X								X
	B-42m		1445					3	X					X						
								1		X					X					
								1	X							X				
								1			X						X			
								1	X									X		
								2	X										X	
								2				X								X

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O+M Enterprises Inc.	Richard C Becker O+M	4/16/14	1545			
Shipment Method: UPS Ship Date: 4/16/14						
Shipment Tracking No: 1Z 75Y 02X YO 4118 5645				ELLE	4.17.14	930

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 1.1 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

eurofins | Lancaster Laboratories Environmental

Sample Administration Receipt Documentation Log

Doc Log ID: 11993

Group Number(s): 1467822

Client: Parsons

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/17/2014 9:30
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	NY		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	3
Custody Seal Present:	Yes	Trip Blank Type:	unpres
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Brandy Barclay (2299) at 09:56 on 04/17/2014

Samples Chilled Details

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT146	1.7	1.7	DT	Wet	Y	Bagged	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

April 28, 2014

Project: BP Sanborn

Submittal Date: 04/16/2014
Group Number: 1467602
PO Number: D00B4-0005
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
B-57 Water	7432580
B-56 Water	7432581
B-24 Water	7432582
B-24 Matrix Spike Water	7432583
B-24 Matrix Spike Dup Water	7432584
Field Dup #2 Water	7432585
P-4 Water	7432586
P-3 Water	7432587
PW-1 Water	7432588
T002 Water	7432589
B-8 Water	7432590

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

Project Name: BP Sanborn
LLI Group #: 1467602

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:

RSKSOP-175 modified, GC Miscellaneous

Batch #: 141140005A (Sample number(s): 7432590 UNSPK: P432509)

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

SW-846 6010C, Metals

Batch #: 141070635001 (Sample number(s): 7432590 UNSPK: P433405 BKG: P433405)

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

Sample Description: B-57 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432580
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 10:30 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B57--

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-57 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432580
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 10:30 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B57--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 11:41	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 11:41	Angela D Sneeringer	1

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

Sample Description: B-56 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432581
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 10:20 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B56--

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	3.9	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	21	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-56 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432581
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 10:20 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B56--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 12:03	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 12:03	Angela D Sneeringer	1

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

Sample Description: B-24 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432582
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 11:05 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B24--

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	3.3	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	5.2	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-24 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432582
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 11:05 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B24--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 12:26	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 12:26	Angela D Sneeringer	1

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

Sample Description: **B-24 Matrix Spike Water**
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432583
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 11:05 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B24--

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	16	1.0	5.0	1
11997	Bromobenzene	108-86-1	21	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	22	0.50	1.0	1
11997	Bromoform	75-25-2	21	0.50	4.0	1
11997	Bromomethane	74-83-9	22	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	24	0.50	1.0	1
11997	Chlorobenzene	108-90-7	22	0.50	1.0	1
11997	Chloroethane	75-00-3	22	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	23	0.50	1.0	1
11997	Chloromethane	74-87-3	21	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	23	0.50	1.0	1
11997	Dibromomethane	74-95-3	21	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	27	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	22	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	23	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	23	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	26	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	23	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	21	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	21	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	20	0.50	1.0	1
11997	Methylene Chloride	75-09-2	22	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	23	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	18	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	25	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	23	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	20	0.50	1.0	1
11997	Trichloroethene	79-01-6	29	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	25	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	23	0.50	1.0	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

Sample Description: B-24 Matrix Spike Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432583
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 11:05 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B24--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AB	04/22/2014 22:09	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AB	04/22/2014 22:09	Amanda K Richards	1

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

Sample Description: **B-24 Matrix Spike Dup Water**
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432584
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 11:05 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B24--

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	13	1.0	5.0	1
11997	Bromobenzene	108-86-1	17	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	18	0.50	1.0	1
11997	Bromoform	75-25-2	17	0.50	4.0	1
11997	Bromomethane	74-83-9	18	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	20	0.50	1.0	1
11997	Chlorobenzene	108-90-7	18	0.50	1.0	1
11997	Chloroethane	75-00-3	18	0.50	1.0	1
11997	2-Chloroethyl Vinyl Ether	110-75-8	17	2.0	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.					
11997	Chloroform	67-66-3	19	0.50	1.0	1
11997	Chloromethane	74-87-3	17	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	19	0.50	1.0	1
11997	Dibromomethane	74-95-3	18	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	17	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	17	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	18	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	22	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	18	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	19	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	19	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	22	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	20	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	17	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	17	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	17	0.50	1.0	1
11997	Methylene Chloride	75-09-2	18	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	19	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	15	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	21	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	19	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	17	0.50	1.0	1
11997	Trichloroethene	79-01-6	25	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	20	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	16	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	19	0.50	1.0	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

Sample Description: B-24 Matrix Spike Dup Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432584
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 11:05 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

B24--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AB	04/22/2014 22:32	Amanda K Richards	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AB	04/22/2014 22:32	Amanda K Richards	1

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

Sample Description: **Field Dup #2 Water**
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432585
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

-FD2-

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	6.3	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	1.9	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	250	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	2.0	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	0.76 J	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	2.0	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	630	5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	8.1	0.50	1.0	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

Sample Description: Field Dup #2 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432585
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

-FD2-

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 13:34	Angela D Sneeringer	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 13:56	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 13:34	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141111AA	04/21/2014 13:56	Angela D Sneeringer	10

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

Sample Description: P-4 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432586
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 09:00 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

Atlantic Richfield(Parsons-NY)
BP Corporation
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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	11	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	4.2	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	330	5.0	10	10
11997	trans-1,2-Dichloroethene	156-60-5	5.7	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	1.5	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	6.5	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	1,200	5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	6.5	0.50	1.0	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

Sample Description: P-4 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432586
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 09:00 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

Atlantic Richfield(Parsons-NY)
BP Corporation
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
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 14:19	Angela D Sneeringer	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 14:42	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 14:19	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141111AA	04/21/2014 14:42	Angela D Sneeringer	10

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

Sample Description: P-3 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432587
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 08:45 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

P3---

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	71		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	2.0		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	1.6		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	0.94	J	0.50	1.0	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

Sample Description: P-3 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432587
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 08:45 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

P3---

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 15:05	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 15:05	Angela D Sneeringer	1

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

Sample Description: PW-1 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432588
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 08:30 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

PW1--

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	5.8	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	1.7	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	240	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	1.8	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	0.72 J	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	1.9	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	710	5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	9.4	0.50	1.0	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

Sample Description: PW-1 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432588
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 08:30 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

PW1--

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 15:27	Angela D Sneeringer	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 15:50	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 15:27	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141111AA	04/21/2014 15:50	Angela D Sneeringer	10

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

Sample Description: T002 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432589
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 12:13 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

T2---

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	1.9	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	14	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	2.4	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	440	5.0	10	10
11997	trans-1,2-Dichloroethene	156-60-5	2.3	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	3.8	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	23	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	450	5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	38	0.50	1.0	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

Sample Description: T002 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432589
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 12:13 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

T2---

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 16:13	Angela D Sneeringer	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 16:35	Angela D Sneeringer	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 16:13	Angela D Sneeringer	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141111AA	04/21/2014 16:35	Angela D Sneeringer	10

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

Sample Description: B-8 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432590
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 13:25 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

---B8

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		5.0	25	5
11997	Bromobenzene	108-86-1	N.D.		5.0	25	5
11997	Bromodichloromethane	75-27-4	N.D.		2.5	5.0	5
11997	Bromoform	75-25-2	N.D.		2.5	20	5
11997	Bromomethane	74-83-9	N.D.		2.5	5.0	5
11997	Carbon Tetrachloride	56-23-5	N.D.		2.5	5.0	5
11997	Chlorobenzene	108-90-7	N.D.		2.5	5.0	5
11997	Chloroethane	75-00-3	N.D.		2.5	5.0	5
11997	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.						
11997	Chloroform	67-66-3	N.D.		2.5	5.0	5
11997	Chloromethane	74-87-3	N.D.		2.5	5.0	5
11997	Dibromochloromethane	124-48-1	N.D.		2.5	5.0	5
11997	Dibromomethane	74-95-3	N.D.		2.5	5.0	5
11997	1,2-Dichlorobenzene	95-50-1	N.D.		5.0	25	5
11997	1,3-Dichlorobenzene	541-73-1	N.D.		5.0	25	5
11997	1,4-Dichlorobenzene	106-46-7	N.D.		5.0	25	5
11997	Dichlorodifluoromethane	75-71-8	N.D.		2.5	5.0	5
11997	1,1-Dichloroethane	75-34-3	N.D.		2.5	5.0	5
11997	1,2-Dichloroethane	107-06-2	N.D.		2.5	5.0	5
11997	1,1-Dichloroethene	75-35-4	N.D.		2.5	5.0	5
11997	cis-1,2-Dichloroethene	156-59-2	250		2.5	5.0	5
11997	trans-1,2-Dichloroethene	156-60-5	3.2	J	2.5	5.0	5
11997	1,2-Dichloropropane	78-87-5	N.D.		2.5	5.0	5
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.5	5.0	5
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.5	5.0	5
11997	Methylene Chloride	75-09-2	N.D.		10	15	5
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		2.5	5.0	5
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.5	5.0	5
11997	Tetrachloroethene	127-18-4	2.7	J	2.5	5.0	5
11997	1,1,1-Trichloroethane	71-55-6	N.D.		2.5	5.0	5
11997	1,1,2-Trichloroethane	79-00-5	N.D.		2.5	5.0	5
11997	Trichloroethene	79-01-6	7,400		25	50	50
11997	Trichlorofluoromethane	75-69-4	N.D.		2.5	5.0	5
11997	1,2,3-Trichloropropane	96-18-4	N.D.		5.0	25	5
11997	Vinyl Chloride	75-01-4	N.D.		2.5	5.0	5
GC Miscellaneous	**RSKSOP-175 modified**		**ug/l**		**ug/l**	**ug/l**	
07105	Ethane	74-84-0	N.D.		1.0	5.0	1
07105	Ethene	74-85-1	N.D.		1.0	5.0	1
07105	Methane	74-82-8	11		3.0	5.0	1
Metals	**SW-846 6010C**		**mg/l**		**mg/l**	**mg/l**	
01754	Iron	7439-89-6	1.85		0.0430	0.400	1
07058	Manganese	7439-96-5	0.0302		0.00083	0.0100	1
Wet Chemistry	**EPA 300.0**		**mg/l**		**mg/l**	**mg/l**	
00224	Chloride	16887-00-6	87.3		5.0	10.0	25

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

Sample Description: B-8 Water
BP Sanborn COC: R215548
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7432590
LL Group # 1467602
Account # 12495

Project Name: BP Sanborn

Collected: 04/15/2014 13:25 by RB

Submitted: 04/16/2014 09:35
Reported: 04/28/2014 09:02

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

---B8

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
Wet Chemistry	**EPA 300.0**		**mg/l**	**mg/l**	**mg/l**	
00368	Nitrate Nitrogen	14797-55-8	0.99	0.25	0.50	5
01506	Nitrite Nitrogen	14797-65-0	N.D.	0.40	0.50	5
00228	Sulfate	14808-79-8	63.0	1.5	5.0	5
	EPA 415.1 modified		**mg/l**	**mg/l**	**mg/l**	
07547	Dissolved Organic Carbon	n.a.	2.4	0.50	1.0	1
	EPA 410.4		**mg/l**	**mg/l**	**mg/l**	
04001	Chemical Oxygen Demand	n.a.	N.D.	12.8	50.0	1
	SM 5210 B-2001		**mg/l**	**mg/l**	**mg/l**	
00235	Biochemical Oxygen Demand	n.a.	N.D.	4.3	4.3	1

General Sample Comments

State of New York Certification No. 10670

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

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 16:58	Angela D Sneeringer	5
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141111AA	04/21/2014 17:21	Angela D Sneeringer	50
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141111AA	04/21/2014 16:58	Angela D Sneeringer	5
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141111AA	04/21/2014 17:21	Angela D Sneeringer	50
07105	Volatile Headspace Hydrocarbon	RSKSOP-175 modified	1	141140005A	04/24/2014 15:54	Elizabeth J Marin	1
01754	Iron	SW-846 6010C	1	141070635001	04/18/2014 07:41	Tara L Snyder	1
07058	Manganese	SW-846 6010C	1	141070635001	04/18/2014 07:41	Tara L Snyder	1
10635	WW SW846(IV) ICP Dig (tot rec)	SW-846 3005A	1	141070635001	04/17/2014 23:49	Annamaria Kuhns	1
00224	Chloride	EPA 300.0	1	14107347601A	04/17/2014 11:47	Sandra J Miller	25
00368	Nitrate Nitrogen	EPA 300.0	1	14107347601A	04/17/2014 06:58	Sandra J Miller	5
01506	Nitrite Nitrogen	EPA 300.0	1	14107347601A	04/17/2014 06:58	Sandra J Miller	5
00228	Sulfate	EPA 300.0	1	14107347601A	04/17/2014 06:58	Sandra J Miller	5
07547	Dissolved Organic Carbon	EPA 415.1 modified	1	14110237301B	04/19/2014 18:03	Joseph E McKenzie	1
04001	Chemical Oxygen Demand	EPA 410.4	1	14107400101B	04/17/2014 08:03	Susan A Engle	1
00235	Biochemical Oxygen Demand	SM 5210 B-2001	1	14106023502A	04/16/2014 15:38	Susan A Engle	1

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467602
Reported: 04/28/14 at 09:02 AM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: L141111AA	Sample number(s): 7432580-7432582,7432585-7432590								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	77		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	99		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	95		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	96		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	104		74-130		
Chlorobenzene	N.D.	0.50	1.0	ug/l	98		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	92		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	86		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	104		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	91		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	102		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	100		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	94		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	95		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	114		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	100		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	108		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	105		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	100		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	103		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	94		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	94		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	94		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	92		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	107		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	91		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	95		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	101		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	109		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	96		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	97		63-120		
Batch number: L141111AB	Sample number(s): 7432583-7432584								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	66		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	85		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	90		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	88		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	84		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	93		74-130		

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467602
Reported: 04/28/14 at 09:02 AM

Analysis Name	Blank Result	Blank MDL**	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Chlorobenzene	N.D.	0.50	1.0	ug/l	90		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	80		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	74		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	93		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	78		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	95		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	90		80-120		
1,2-Dichlorobenzene	N.D.	1.0	5.0	ug/l	84		80-120		
1,3-Dichlorobenzene	N.D.	1.0	5.0	ug/l	84		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	85		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	85		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	87		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	97		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	89		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	89		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	91		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	83		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	82		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	81		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	89		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	92		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	81		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	96		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	90		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	86		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	92		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	86		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	87		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	82		63-120		
Batch number: 141140005A	Sample number(s): 7432590								
Ethane	N.D.	1.0	5.0	ug/l	94		80-120		
Ethene	N.D.	1.0	5.0	ug/l	93		80-120		
Methane	N.D.	3.0	5.0	ug/l	98		80-120		
Batch number: 141070635001	Sample number(s): 7432590								
Iron	N.D.	0.0430	0.400	mg/l	101		90-112		
Manganese	0.0012 J	0.00083	0.0100	mg/l	103		90-110		
Batch number: 14107347601A	Sample number(s): 7432590								
Chloride	N.D.	0.20	0.40	mg/l	99		90-110		
Nitrate Nitrogen	N.D.	0.050	0.10	mg/l	99		90-110		
Nitrite Nitrogen	N.D.	0.080	0.10	mg/l	98		90-110		
Sulfate	N.D.	0.30	1.0	mg/l	101		90-110		
Batch number: 14110237301B	Sample number(s): 7432590								
Dissolved Organic Carbon	N.D.	0.50	1.0	mg/l	104		86-114		
Batch number: 14106023502A	Sample number(s): 7432590								
Biochemical Oxygen Demand					93		85-115		
Batch number: 14107400101B	Sample number(s): 7432590								
Chemical Oxygen Demand	N.D.	12.8	50.0	mg/l	106		94-110		

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467602
Reported: 04/28/14 at 09:02 AM

Sample Matrix Quality Control

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

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L141111AA	Sample number(s): 7432580-7432582,7432585-7432590 UNSPK: 7432582								
Benzyl Chloride	81	65	53-117	21	30				
Bromobenzene	104	86	82-115	18	30				
Bromodichloromethane	109	91	73-125	19	30				
Bromoform	105	85	48-118	22	30				
Bromomethane	112	92	47-129	20	30				
Carbon Tetrachloride	120	99	75-148	19	30				
Chlorobenzene	110	92	87-124	18	30				
Chloroethane	111	90	55-130	21	30				
2-Chloroethyl Vinyl Ether	88	85	10-151	4	30				
Chloroform	114	96	81-134	17	30				
Chloromethane	106	86	61-125	21	30				
Dibromochloromethane	113	93	74-116	19	30				
Dibromomethane	106	89	83-119	17	30				
1,2-Dichlorobenzene	102	86	84-119	17	30				
1,3-Dichlorobenzene	103	87	86-121	17	30				
1,4-Dichlorobenzene	104	88	85-121	16	30				
Dichlorodifluoromethane	135	108	58-156	22	30				
1,1-Dichloroethane	108	92	84-129	16	30				
1,2-Dichloroethane	115	97	63-142	17	30				
1,1-Dichloroethene	117	97	79-137	18	30				
cis-1,2-Dichloroethene	112	94	80-141	15	30				
trans-1,2-Dichloroethene	115	98	86-131	15	30				
1,2-Dichloropropane	104	87	83-124	17	30				
cis-1,3-Dichloropropene	103	84	70-116	20	30				
trans-1,3-Dichloropropene	100	83	74-119	19	30				
Methylene Chloride	108	91	78-133	17	30				
1,1,1,2-Tetrachloroethane	114	94	80-123	20	30				
1,1,2,2-Tetrachloroethane	91	76	72-128	18	30				
Tetrachloroethene	125	104	80-128	18	30				
1,1,1-Trichloroethane	117	97	69-140	18	30				
1,1,2-Trichloroethane	100	86	71-141	16	30				
Trichloroethene	117	98	88-133	15	30				
Trichlorofluoromethane	127	101	63-163	23	30				
1,2,3-Trichloropropane	96	81	76-118	18	30				
Vinyl Chloride	115	95	66-133	19	30				
Batch number: L141111AB	Sample number(s): 7432583-7432584 UNSPK: 7432582								
Benzyl Chloride	81	65	53-117	21	30				
Bromobenzene	104	86	82-115	18	30				
Bromodichloromethane	109	91	73-125	19	30				
Bromoform	105	85	48-118	22	30				
Bromomethane	112	92	47-129	20	30				
Carbon Tetrachloride	120	99	75-148	19	30				
Chlorobenzene	110	92	87-124	18	30				
Chloroethane	111	90	55-130	21	30				
2-Chloroethyl Vinyl Ether	88	85	10-151	4	30				
Chloroform	114	96	81-134	17	30				
Chloromethane	106	86	61-125	21	30				
Dibromochloromethane	113	93	74-116	19	30				

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467602
Reported: 04/28/14 at 09:02 AM

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
Dibromomethane	106	89	83-119	17	30				
1,2-Dichlorobenzene	102	86	84-119	17	30				
1,3-Dichlorobenzene	103	87	86-121	17	30				
1,4-Dichlorobenzene	104	88	85-121	16	30				
Dichlorodifluoromethane	135	108	58-156	22	30				
1,1-Dichloroethane	108	92	84-129	16	30				
1,2-Dichloroethane	115	97	63-142	17	30				
1,1-Dichloroethene	117	97	79-137	18	30				
cis-1,2-Dichloroethene	112	94	80-141	15	30				
trans-1,2-Dichloroethene	115	98	86-131	15	30				
1,2-Dichloropropane	104	87	83-124	17	30				
cis-1,3-Dichloropropene	103	84	70-116	20	30				
trans-1,3-Dichloropropene	100	83	74-119	19	30				
Methylene Chloride	108	91	78-133	17	30				
1,1,1,2-Tetrachloroethane	114	94	80-123	20	30				
1,1,2,2-Tetrachloroethane	91	76	72-128	18	30				
Tetrachloroethene	125	104	80-128	18	30				
1,1,1-Trichloroethane	117	97	69-140	18	30				
1,1,2-Trichloroethane	100	86	71-141	16	30				
Trichloroethene	117	98	88-133	15	30				
Trichlorofluoromethane	127	101	63-163	23	30				
1,2,3-Trichloropropane	96	81	76-118	18	30				
Vinyl Chloride	115	95	66-133	19	30				
Batch number: 141140005A	Sample number(s): 7432590 UNSPK: P432509								
Ethane	86	88	32-129	2	20				
Ethene	90	91	35-162	1	20				
Methane	-124 (2)	-22 (2)	35-157	9	20				
Batch number: 141070635001	Sample number(s): 7432590 UNSPK: P433405 BKG: P433405								
Iron	98 (2)	68 (2)	75-125	3	20	10.3	10.1	2	20
Manganese	93 (2)	83 (2)	75-125	2	20	2.16	2.10	3	20
Batch number: 14107347601A	Sample number(s): 7432590 UNSPK: P432778 BKG: P432778								
Chloride	100		90-110			30.9	31.5	2	20
Nitrate Nitrogen	102		90-110			2.6	2.6	2	20
Nitrite Nitrogen	97		90-110			N.D.	N.D.	0 (1)	20
Sulfate	109		90-110			130	132	1	20
Batch number: 14110237301B	Sample number(s): 7432590 UNSPK: P431375 BKG: P431375								
Dissolved Organic Carbon	105		54-135			9.2	9.0	2	2
Batch number: 14106023502A	Sample number(s): 7432590 UNSPK: P431385 BKG: P431379								
Biochemical Oxygen Demand	91	91	69-139	0	8	60.8	59.3	2	15
Batch number: 14107400101B	Sample number(s): 7432590 UNSPK: P432941 BKG: P432941								
Chemical Oxygen Demand	98		90-110			601	578	4 (1)	5

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467602
Reported: 04/28/14 at 09:02 AM

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: VOCs TCL (4.3) 8260C
Batch number: L141111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7432580	105	101	97	96
7432581	105	103	96	96
7432582	107	104	97	96
7432585	104	103	98	98
7432586	106	101	98	96
7432587	106	104	97	96
7432588	105	102	98	96
7432589	107	103	97	95
7432590	106	102	97	95
Blank	105	102	97	99
LCS	105	101	98	99
MS	106	101	98	99
MSD	104	103	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: VOCs TCL (4.3) 8260C
Batch number: L141111AB

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7432583	106	101	98	99
7432584	104	103	98	98
Blank	106	104	98	95
LCS	105	102	97	98
MS	106	101	98	99
MSD	104	103	98	98
Limits:	80-116	77-113	80-113	78-113

Analysis Name: Volatile Headspace Hydrocarbon
Batch number: 141140005A

	Propene
7432590	82
Blank	96
LCS	94
MS	92
MSD	93
Limits:	42-131

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

A-12495 G-1467602 S-7432580-91

bp rm

Laboratory Management Program LaMP **Chain of Custody Record** R215548

Page 1 of 2

BP Site Node Path: BP Sanborn

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

BP Facility No: _____

Lab Work Order Number: _____

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plaskeer	Lead Regulatory Agency: NYSDEC	Address: 40 La Riviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermanse
Lab Shipping Accnt:	Enfos Proposal No: D00B4-0005	Phone: (716) 401-4980 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Carrie Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

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

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Matrix: Water / Liquid	Matrix: Air / Vapor	Matrix: Is this location a well?	No. Containers / Preservative: Total Number of Container:	Unpreserved	H2SO4	HNO3	HCl	Methanol	Requested Analyses: 8260	Comments
	B-57	4/15/14	1020		X		Y	3	X					X	
	B-56		1020		X		Y	3	X					X	
	B-24		1105		X		Y	3	X					X	
	B-24 MS		1105		X		Y	3	X					X	
	B-24 MSD		1105		X		Y	3	X					X	
	Field Dup #2				X		Y	3	X					X	
	P-4		0900		X		Y	3	X					X	
	P-3		0845		X		Y	3	X					X	
	PW-1		0830		X		Y	3	X					X	
	T002		1213		X		N	3	X					X	

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: O&M Enterprises Inc.	Richard C Becker	4/15/14	1545			
Shipment Method: UPS Ship Date: 4/15/14						
Shipment Tracking No: 1Z 75Y 02X Y0 4136 6253				ELLE	4/16/14	0935

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 1.7 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

A-12495 ~~G-1467607~~ S-7432580-91 G-1467602

bp rm

Laboratory Management Program LaMP Chain of Custody Record R215547

BP Site Node Path: BP, Sanborn **Req Due Date (mm/dd/yy):** ______ **Rush TAT:** Yes ___ No X

BP Facility No: ______ **Lab Work Order Number:** ______

Lab Name: Lancaster Labs	Facility Address: 2640 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike Lancaster PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No: D0084-0005	Phone (716) 407-4990 Email:
Lab Bottle Order No:	Accounting Mode: 10 Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: 60 Activity: 81	Invoice To: BP ✓ Contractor ___

BP Project Manager (PM): Bill Barber

BP PM Phone: (216) 271-8038

BP PM Email:

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

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	No. Containers / Preservative: Total Number of Containers	Unpreserved	H2SO4	HNO3	HCl	Methanol		Requested Analyses: 8260	COD	BOD	Iron + Manganese	DOC	Chloride, Nitrate, Nitrite, Sulfate	Methane, Ethane, Ethene				Comments (Note: If sample not collected, indicate "No Sample" in comments and single-strike out and initial any preprinted sample description.)
	B-8	4/15/14	1325				Y	3	X						X										
							Y	1		X						X									
							Y	1	X								X								
							Y	1			X							X							
							Y	1	X										X						
							Y	2	X											X					
							Y	2				X									X				

Sampler info	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Name: Richard C Becker	Richard C Becker	4/15/14	1545			
Sampler's Company: O&M Enterprises Inc.						
Shipment Method: UPS Ship Date: 4/15/14						
Shipment Tracking No: 1Z 75Y 02X Y0 4136 6253				C Eshleman ELLE	4/16/14	0935

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / (No) | Temp Blank: (Yes) / No | Cooler Temp on Receipt: 1.7 °F/(C) | Trip Blank: Yes / (No) | MS/MSD Sample Submitted: Yes / (No)

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Sample Administration Receipt Documentation Log

Doc Log ID: 11915

Group Number(s): 1467602

Client: BP

BP SANBORN

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/16/2014 9:35
Number of Packages:	1	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	2
Custody Seal Present:	No	Trip Blank Type:	HCL
Custody Seal Intact:	N/A	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Corey Eshleman (3647) at 11:16 on 04/16/2014

Samples Chilled Details: BP SANBORN

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	1.7	1.7	DT	Wet	Y	Bagged	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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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)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

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

April 18, 2014

Project: BP Sanborn

Submittal Date: 04/15/2014
Group Number: 1467082
PO Number: D00B4-0005
Release Number: BARBER
State of Sample Origin: NY

Client Sample Description	Lancaster Labs (LL) #
B-38 Water	7430447
Quarry Pond Water	7430448
Field Dup #1 Water	7430449
B-21 Water	7430450
B-21 MS Water	7430451
B-21 MSD Water	7430452
B-28 Water	7430453
B-6 Water	7430454
B-9 Water	7430455
P-2 Water	7430456
PW-4 Water	7430457
PW-3 Water	7430458

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

ELECTRONIC COPY TO	Parsons	Attn: George Hermance
ELECTRONIC COPY TO	Parsons	Attn: Lorraine Weber
ELECTRONIC COPY TO	Parsons	Attn: Eric Felter
ELECTRONIC COPY TO	Parsons	Attn: Doug Taylor

Respectfully Submitted,

Kaitlin N. Plasterer

Kaitlin N. Plasterer
Specialist

(717) 556-7323

Project Name: BP Sanborn
LLI Group #: 1467082

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.

Sample Description: B-38 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430447
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 09:35 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN38

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	0.92	J	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	0.83	J	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	55		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	1.4		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	59		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	1.5		0.50	1.0	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

Sample Description: B-38 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430447
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 09:35 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN38

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 05:26	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 05:26	Stephanie A Selis	1

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

Sample Description: Quarry Pond Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430448
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 08:35 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANQP

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: Quarry Pond Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430448
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 08:35 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANQP

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 05:48	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 05:48	Stephanie A Selis	1

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

Sample Description: Field Dup #1 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430449
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANFD

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 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.		0.50	1.0	1
11997	Bromoform	75-25-2	N.D.		0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	N.D.		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	0.95	J	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	0.87	J	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	56		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	1.5		0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	60		0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	1.5		0.50	1.0	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

Sample Description: Field Dup #1 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430449
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANFD

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 06:10	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 06:10	Stephanie A Selis	1

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

Sample Description: B-21 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430450
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 10:45 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN21

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-21 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430450
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 10:45 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 04:18	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 04:18	Stephanie A Selis	1

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

Sample Description: **B-21 MS Water**
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430451
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 10:45 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN21

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	15	1.0	5.0	1
11997	Bromobenzene	108-86-1	21	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	21	0.50	1.0	1
11997	Bromoform	75-25-2	18	0.50	4.0	1
11997	Bromomethane	74-83-9	20	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	23	0.50	1.0	1
11997	Chlorobenzene	108-90-7	22	0.50	1.0	1
11997	Chloroethane	75-00-3	21	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	22	0.50	1.0	1
11997	Chloromethane	74-87-3	21	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	21	0.50	1.0	1
11997	Dibromomethane	74-95-3	21	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	26	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	22	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	22	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	23	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	22	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	23	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	21	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	20	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	19	0.50	1.0	1
11997	Methylene Chloride	75-09-2	22	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	21	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	19	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	24	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	20	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	20	0.50	1.0	1
11997	Trichloroethene	79-01-6	23	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	24	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	23	0.50	1.0	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

Sample Description: B-21 MS Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430451
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 10:45 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 04:41	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 04:41	Stephanie A Selis	1

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

Sample Description: B-21 MSD Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430452
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 10:45 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN21

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	15	1.0	5.0	1
11997	Bromobenzene	108-86-1	21	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	21	0.50	1.0	1
11997	Bromoform	75-25-2	18	0.50	4.0	1
11997	Bromomethane	74-83-9	21	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	22	0.50	1.0	1
11997	Chlorobenzene	108-90-7	21	0.50	1.0	1
11997	Chloroethane	75-00-3	21	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	22	0.50	1.0	1
11997	Chloromethane	74-87-3	22	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	21	0.50	1.0	1
11997	Dibromomethane	74-95-3	20	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	20	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	21	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	21	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	26	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	22	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	22	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	23	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	22	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	23	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	21	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	20	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	19	0.50	1.0	1
11997	Methylene Chloride	75-09-2	22	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	21	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	19	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	23	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	20	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	20	0.50	1.0	1
11997	Trichloroethene	79-01-6	23	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	24	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	19	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	23	0.50	1.0	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

Sample Description: B-21 MSD Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430452
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 10:45 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN21

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 05:03	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 05:03	Stephanie A Selis	1

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

Sample Description: B-28 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430453
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 11:35 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN28

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-28 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430453
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 11:35 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN28

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 06:33	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 06:33	Stephanie A Selis	1

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

Sample Description: B-6 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430454
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 12:30 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN-6

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	7.3	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	100	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-6 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430454
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 12:30 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN-6

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 06:55	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 06:55	Stephanie A Selis	1

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

Sample Description: B-9 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430455
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 13:30 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN-9

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	N.D.	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	N.D.	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: B-9 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430455
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 13:30 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SAN-9

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 07:17	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 07:17	Stephanie A Selis	1

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

Sample Description: P-2 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430456
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 13:55 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANP2

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		5.0	25	5
11997	Bromobenzene	108-86-1	N.D.		5.0	25	5
11997	Bromodichloromethane	75-27-4	N.D.		2.5	5.0	5
11997	Bromoform	75-25-2	N.D.		2.5	20	5
11997	Bromomethane	74-83-9	N.D.		2.5	5.0	5
11997	Carbon Tetrachloride	56-23-5	N.D.		2.5	5.0	5
11997	Chlorobenzene	108-90-7	N.D.		2.5	5.0	5
11997	Chloroethane	75-00-3	N.D.		2.5	5.0	5
11997	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.						
11997	Chloroform	67-66-3	N.D.		2.5	5.0	5
11997	Chloromethane	74-87-3	N.D.		2.5	5.0	5
11997	Dibromochloromethane	124-48-1	N.D.		2.5	5.0	5
11997	Dibromomethane	74-95-3	N.D.		2.5	5.0	5
11997	1,2-Dichlorobenzene	95-50-1	N.D.		5.0	25	5
11997	1,3-Dichlorobenzene	541-73-1	N.D.		5.0	25	5
11997	1,4-Dichlorobenzene	106-46-7	N.D.		5.0	25	5
11997	Dichlorodifluoromethane	75-71-8	N.D.		2.5	5.0	5
11997	1,1-Dichloroethane	75-34-3	94		2.5	5.0	5
11997	1,2-Dichloroethane	107-06-2	N.D.		2.5	5.0	5
11997	1,1-Dichloroethene	75-35-4	27		2.5	5.0	5
11997	cis-1,2-Dichloroethene	156-59-2	490		2.5	5.0	5
11997	trans-1,2-Dichloroethene	156-60-5	4.7	J	2.5	5.0	5
11997	1,2-Dichloropropane	78-87-5	N.D.		2.5	5.0	5
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		2.5	5.0	5
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		2.5	5.0	5
11997	Methylene Chloride	75-09-2	N.D.		10	15	5
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		2.5	5.0	5
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		2.5	5.0	5
11997	Tetrachloroethene	127-18-4	N.D.		2.5	5.0	5
11997	1,1,1-Trichloroethane	71-55-6	790		2.5	5.0	5
11997	1,1,2-Trichloroethane	79-00-5	N.D.		2.5	5.0	5
11997	Trichloroethene	79-01-6	4,900		25	50	50
11997	Trichlorofluoromethane	75-69-4	N.D.		2.5	5.0	5
11997	1,2,3-Trichloropropane	96-18-4	N.D.		5.0	25	5
11997	Vinyl Chloride	75-01-4	6.2		2.5	5.0	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

Sample Description: P-2 Water
BP Sanborn COC: 187936
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430456
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 13:55 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANP2

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 07:40	Stephanie A Selis	5
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 08:02	Stephanie A Selis	50
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 07:40	Stephanie A Selis	5
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141081AA	04/18/2014 08:02	Stephanie A Selis	50

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

Sample Description: PW-4 Water
BP Sanborn COC: R215546
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430457
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 14:15 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANP4

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 8260C**		**ug/l**	**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.	1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.	1.0	5.0	1
11997	Bromodichloromethane	75-27-4	N.D.	0.50	1.0	1
11997	Bromoform	75-25-2	N.D.	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.	0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.	0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.	0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.	0.50	1.0	1
11997	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.					
11997	Chloroform	67-66-3	N.D.	0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.	0.50	1.0	1
11997	Dibromochloromethane	124-48-1	N.D.	0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.	0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.	1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.	1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.	1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.	0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.	0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.	0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.	0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	1.7	0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	N.D.	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.	0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.	0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.	0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.	2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.	0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.	0.50	1.0	1
11997	Tetrachloroethene	127-18-4	N.D.	0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.	0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.	0.50	1.0	1
11997	Trichloroethene	79-01-6	16	0.50	1.0	1
11997	Trichlorofluoromethane	75-69-4	N.D.	0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.	1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.	0.50	1.0	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

Sample Description: PW-4 Water
BP Sanborn COC: R215546
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430457
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 14:15 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANP4

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 08:25	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 08:25	Stephanie A Selis	1

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

Sample Description: PW-3 Water
BP Sanborn COC: R215546
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430458
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 14:25 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANP3

CAT No.	Analysis Name	CAS Number	As Received Result		As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260C**		**ug/l**		**ug/l**	**ug/l**	
11997	Benzyl Chloride	100-44-7	N.D.		1.0	5.0	1
11997	Bromobenzene	108-86-1	N.D.		1.0	5.0	1
11997	Bromodichloromethane	75-27-4	4.0		0.50	1.0	1
11997	Bromoform	75-25-2	0.70	J	0.50	4.0	1
11997	Bromomethane	74-83-9	N.D.		0.50	1.0	1
11997	Carbon Tetrachloride	56-23-5	N.D.		0.50	1.0	1
11997	Chlorobenzene	108-90-7	N.D.		0.50	1.0	1
11997	Chloroethane	75-00-3	N.D.		0.50	1.0	1
11997	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.						
11997	Chloroform	67-66-3	8.5		0.50	1.0	1
11997	Chloromethane	74-87-3	N.D.		0.50	1.0	1
11997	Dibromochloromethane	124-48-1	2.2		0.50	1.0	1
11997	Dibromomethane	74-95-3	N.D.		0.50	1.0	1
11997	1,2-Dichlorobenzene	95-50-1	N.D.		1.0	5.0	1
11997	1,3-Dichlorobenzene	541-73-1	N.D.		1.0	5.0	1
11997	1,4-Dichlorobenzene	106-46-7	N.D.		1.0	5.0	1
11997	Dichlorodifluoromethane	75-71-8	N.D.		0.50	1.0	1
11997	1,1-Dichloroethane	75-34-3	N.D.		0.50	1.0	1
11997	1,2-Dichloroethane	107-06-2	N.D.		0.50	1.0	1
11997	1,1-Dichloroethene	75-35-4	N.D.		0.50	1.0	1
11997	cis-1,2-Dichloroethene	156-59-2	64		0.50	1.0	1
11997	trans-1,2-Dichloroethene	156-60-5	0.65	J	0.50	1.0	1
11997	1,2-Dichloropropane	78-87-5	N.D.		0.50	1.0	1
11997	cis-1,3-Dichloropropene	10061-01-5	N.D.		0.50	1.0	1
11997	trans-1,3-Dichloropropene	10061-02-6	N.D.		0.50	1.0	1
11997	Methylene Chloride	75-09-2	N.D.		2.0	3.0	1
11997	1,1,1,2-Tetrachloroethane	630-20-6	N.D.		0.50	1.0	1
11997	1,1,2,2-Tetrachloroethane	79-34-5	N.D.		0.50	1.0	1
11997	Tetrachloroethene	127-18-4	4.2		0.50	1.0	1
11997	1,1,1-Trichloroethane	71-55-6	N.D.		0.50	1.0	1
11997	1,1,2-Trichloroethane	79-00-5	N.D.		0.50	1.0	1
11997	Trichloroethene	79-01-6	430		5.0	10	10
11997	Trichlorofluoromethane	75-69-4	N.D.		0.50	1.0	1
11997	1,2,3-Trichloropropane	96-18-4	N.D.		1.0	5.0	1
11997	Vinyl Chloride	75-01-4	N.D.		0.50	1.0	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

Sample Description: PW-3 Water
BP Sanborn COC: R215546
2040 Cory Drive - Sanborn, NY

LL Sample # WW 7430458
LL Group # 1467082
Account # 12495

Project Name: BP Sanborn

Collected: 04/14/2014 14:25 by RCB

Submitted: 04/15/2014 08:00
Reported: 04/18/2014 12:11

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

SANP3

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 08:47	Stephanie A Selis	1
11997	VOCs Parsons' Specs 8260C	SW-846 8260C	1	L141081AA	04/18/2014 09:09	Stephanie A Selis	10
01163	GC/MS VOA Water Prep	SW-846 5030C	1	L141081AA	04/18/2014 08:47	Stephanie A Selis	1
01163	GC/MS VOA Water Prep	SW-846 5030C	2	L141081AA	04/18/2014 09:09	Stephanie A Selis	10

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467082
Reported: 04/18/14 at 12:11 PM

Matrix QC may not be reported if insufficient sample or 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.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

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: L141081AA	Sample number(s): 7430447-7430458								
Benzyl Chloride	N.D.	1.0	5.0	ug/l	74		51-120		
Bromobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Bromodichloromethane	N.D.	0.50	1.0	ug/l	100		73-120		
Bromoform	N.D.	0.50	4.0	ug/l	93		61-120		
Bromomethane	N.D.	0.50	1.0	ug/l	92		58-120		
Carbon Tetrachloride	N.D.	0.50	1.0	ug/l	98		74-130		
Chlorobenzene	N.D.	0.50	1.0	ug/l	102		80-120		
Chloroethane	N.D.	0.50	1.0	ug/l	91		56-120		
2-Chloroethyl Vinyl Ether	N.D.	2.0	10	ug/l	88		54-126		
Chloroform	N.D.	0.50	1.0	ug/l	105		80-122		
Chloromethane	N.D.	0.50	1.0	ug/l	93		63-120		
Dibromochloromethane	N.D.	0.50	1.0	ug/l	104		72-120		
Dibromomethane	N.D.	0.50	1.0	ug/l	100		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	97		80-120		
1,4-Dichlorobenzene	N.D.	1.0	5.0	ug/l	98		80-120		
Dichlorodifluoromethane	N.D.	0.50	1.0	ug/l	100		48-132		
1,1-Dichloroethane	N.D.	0.50	1.0	ug/l	101		80-120		
1,2-Dichloroethane	N.D.	0.50	1.0	ug/l	106		65-135		
1,1-Dichloroethene	N.D.	0.50	1.0	ug/l	101		76-124		
cis-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	83		80-120		
trans-1,2-Dichloroethene	N.D.	0.50	1.0	ug/l	102		80-120		
1,2-Dichloropropane	N.D.	0.50	1.0	ug/l	100		80-120		
cis-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	95		80-120		
trans-1,3-Dichloropropene	N.D.	0.50	1.0	ug/l	95		76-120		
Methylene Chloride	N.D.	2.0	3.0	ug/l	103		80-120		
1,1,1,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	102		80-120		
1,1,2,2-Tetrachloroethane	N.D.	0.50	1.0	ug/l	96		70-120		
Tetrachloroethene	N.D.	0.50	1.0	ug/l	104		80-120		
1,1,1-Trichloroethane	N.D.	0.50	1.0	ug/l	97		66-126		
1,1,2-Trichloroethane	N.D.	0.50	1.0	ug/l	98		80-120		
Trichloroethene	N.D.	0.50	1.0	ug/l	103		80-120		
Trichlorofluoromethane	N.D.	0.50	1.0	ug/l	99		65-130		
1,2,3-Trichloropropane	N.D.	1.0	5.0	ug/l	97		76-120		
Vinyl Chloride	N.D.	0.50	1.0	ug/l	96		63-120		

Sample Matrix Quality Control

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

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467082
Reported: 04/18/14 at 12:11 PM

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L141081AA	Sample number(s): 7430447-7430458 UNSPK: 7430450								
Benzyl Chloride	77	76	53-117	2	30				
Bromobenzene	104	103	82-115	1	30				
Bromodichloromethane	105	103	73-125	2	30				
Bromoform	92	90	48-118	3	30				
Bromomethane	99	105	47-129	5	30				
Carbon Tetrachloride	113	112	75-148	1	30				
Chlorobenzene	108	107	87-124	1	30				
Chloroethane	104	105	55-130	0	30				
2-Chloroethyl Vinyl Ether	91	91	10-151	1	30				
Chloroform	111	110	81-134	1	30				
Chloromethane	107	108	61-125	2	30				
Dibromochloromethane	106	104	74-116	2	30				
Dibromomethane	103	102	83-119	1	30				
1,2-Dichlorobenzene	102	102	84-119	0	30				
1,3-Dichlorobenzene	104	103	86-121	1	30				
1,4-Dichlorobenzene	105	105	85-121	0	30				
Dichlorodifluoromethane	131	132	58-156	1	30				
1,1-Dichloroethane	110	109	84-129	1	30				
1,2-Dichloroethane	110	108	63-142	2	30				
1,1-Dichloroethene	117	116	79-137	1	30				
cis-1,2-Dichloroethene	110	109	80-141	1	30				
trans-1,2-Dichloroethene	114	114	86-131	0	30				
1,2-Dichloropropane	106	104	83-124	1	30				
cis-1,3-Dichloropropene	99	99	70-116	1	30				
trans-1,3-Dichloropropene	97	96	74-119	1	30				
Methylene Chloride	109	108	78-133	1	30				
1,1,1,2-Tetrachloroethane	107	105	80-123	2	30				
1,1,2,2-Tetrachloroethane	95	94	72-128	2	30				
Tetrachloroethene	119	117	80-128	1	30				
1,1,1-Trichloroethane	100	99	69-140	1	30				
1,1,2-Trichloroethane	102	99	71-141	3	30				
Trichloroethene	116	114	88-133	2	30				
Trichlorofluoromethane	121	121	63-163	0	30				
1,2,3-Trichloropropane	97	96	76-118	2	30				
Vinyl Chloride	115	117	66-133	2	30				

Surrogate Quality Control

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

Analysis Name: TCL (4.3) by 8260 Water
Batch number: L141081AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7430447	101	100	99	99
7430448	101	100	98	99
7430449	102	101	99	98
7430450	102	101	98	98
7430451	102	99	99	98
7430452	101	98	99	99

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

Quality Control Summary

Client Name: Atlantic Richfield(Parsons-NY) Group Number: 1467082
Reported: 04/18/14 at 12:11 PM

Surrogate Quality Control

7430453	102	99	98	98
7430454	102	102	98	99
7430455	102	101	98	98
7430456	105	102	99	99
7430457	102	101	98	97
7430458	104	100	98	98
Blank	102	100	98	98
LCS	102	103	100	99
MS	102	99	99	98
MSD	101	98	99	99
Limits:	80-116	77-113	80-113	78-113

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

A-12495 G-1467082 S-743044-495 59 @ kmH 4/15/14

Atlantic Richfield Company
A BP affiliated company

Laboratory Management Program LaMP Chain of Custody Record

187936

Page 1 of 2

BP/ARC Project Name: BP, Sanborn | **Req Due Date (mm/dd/yy):** | **Rush TAT:** Yes ___ No X

BP/ARC Facility No: | **Lab Work Order Number:**

Lab Name: Lancaster Lab	BP/ARC Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster, Pa 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYSDEC	Address: 40 LaRiviere Dr. Suite 350 Buffalo, NY 14202
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone (716) 407-4990
Lab Bottle Order No:	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber
Other Info:	Stage: Activity:	Invoice To: BP/ARC ✓ Contractor ___

BP/ARC EBM: Bill Barber
EBM Phone: (216) 271-8038
EBM Email:

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

Lab No.	Sample Description	Date	Time	Matrix: Soil / Solid	Water / Liquid	Air / Vapor	From Wells	No. Containers / Preservative: Total Number of Containers	Unpreserved	H_2SO_4	HNO_3	HCl	Methanol	Requested Analyses: 8260									
	B-38	4/14/14	0935		X		Y	3	X					X									
	Quarry Pond		0835		X		N	3	X					X									
	Field Dup #1		[redacted]		X		Y	3	X					X									
	B-21		1045		X		Y	3	X					X									
	B-21 MS		1045		X		Y	3	X					X									
	B-21 MSD		1045		X		Y	3	X					X									
	B-28		1135		X		Y	3	X					X									
	B-6		1230		X		Y	3	X					X									
	B-9		1330		X		Y	3	X					X									
	P-2		1355		X		Y	3	X					X									

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

Sampler's Name: Richard C Becker	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Sampler's Company: Dam Enterprises Inc.	Richard C Becker	4/14/14	1350			
Shipment Method: ~~Fedex~~ UPS Ship Date: 4/14/14						
Shipment Tracking No: 1Z 754 D2X YO 4198 2364				C Eshler ELLE	4/15/14	0800

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.4 °F (C) | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

A - 12495 G-1467082 S-7430447-459

Laboratory Management Program LaMP Chain of Custody Record R215546

BP Site Node Path: BP, Sanborn
Req Due Date (mm/dd/yy):
Rush TAT: Yes ___ No X
BP Facility No:
Lab Work Order Number:

Lab Name: Lancaster Labs	Facility Address: 2040 Cory Dr.	Consultant/Contractor: Parsons
Lab Address: 2425 New Holland Pike, Lancaster, PA 17601	City, State, ZIP Code: Sanborn, NY 14132	Consultant/Contractor Project No:
Lab PM: Kaitlin Plasterer	Lead Regulatory Agency: NYS DEC	Address: 40 LaRiviere Dr. Suite 350, Buffalo, NY 17601
Lab Phone: (717) 656-2300	California Global ID No.:	Consultant/Contractor PM: George Hermance
Lab Shipping Accnt:	Enfos Proposal No:	Phone: (716) 407-4990 Email:
Lab Bottle Order No: 153946	Accounting Mode: Provision ___ OOC-BU ___ OOC-RM ___	Email EDD To: Lorraine Weber and to lab.enfosdoc@bp.com
Other Info:	Stage: Activity:	Invoice To: BP ✓ Contractor ___
BP Project Manager (PM): Bill Barber		
BP PM Phone: (216) 271-8038		
BP PM Email:		

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

Lab No.	Sample Description	Date	Time	Soil / Solid	Water / Liquid	Air / Vapor	Is this location a well?	Total Number of Container	Unpreserved	H2SO4	HNO3	HCl	Methanol	8260										Comments
	PW-4	4/14/14	1415		X		Y	3	X					X										
	PW-3	4/14/14	1425		X		Y	3	X					X										

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

Sampler's Name: Richard C Becker
Sampler's Company: O&M Enterprises Inc.
Shipment Method: UPS Ship Date: 4/14/14
Shipment Tracking No: 1Z 754 02X Y0 4198 2364

Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
[signature]	4/9/14	9:15	[signature] O&M	4/11/14	
[signature] Becker O&M	4/14/14	1550			
			[signature] ELLE	4/15/14	0800

Special Instructions:

THIS LINE - LAB USE ONLY: Custody Seals In Place: Yes / No | Temp Blank: Yes / No | Cooler Temp on Receipt: 2.4 °F/C | Trip Blank: Yes / No | MS/MSD Sample Submitted: Yes / No

BP Remediation Management COC - Effective Date: starting August 16, 2011. Use for Remediation Management projects only BP LaMP COC Rev. 8, 24 June 2012

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Sample Administration Receipt Documentation Log

Doc Log ID: 11770

Group Number(s): 1467082

Client: BP

BP SANBORN

Delivery and Receipt Information

Delivery Method:	UPS	Arrival Timestamp:	04/15/2014 8:00
Number of Packages:	1	Number of Projects:	1

Arrival Condition Summary

Shipping Container Sealed:	Yes	Total Trip Blank Qty:	3
Custody Seal Present:	Yes	Trip Blank Type:	UNPRES
Custody Seal Intact:	Yes	Air Quality Samples Present:	No
Samples Chilled:	Yes	Air Quality Flow Controllers Present:	N/A
Paperwork Enclosed:	Yes	Flow Controller Quantity:	0
Samples Intact:	Yes	Air Quality Returns:	N/A
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		
Sample IDs on COC match Containers:	Yes		
Sample Date/Times match COC:	Yes		
VOA Vial Headspace ≥ 6mm:	No		
VOA IDs (≥ 6mm):	N/A		

Unpacked by Corey Eshleman (3647) at 08:59 on 04/15/2014

Samples Chilled Details: BP SANBORN

Thermometer Types: DT = Digital IR = Infrared

Cooler #	Thermometer ID	Raw Temp (°C)	Corrected Temp (°C)	Thermometer Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?
1	DT131	2.4	2.4	DT	Wet	Y	Bagged	N

General Comments:

2425 New Holland Pike
Lancaster, PA 17605-2425
T | 717-656-2300
F | 717-656-2681
www.LancasterLabs.com

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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)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

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

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥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.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as “analyze immediately” are not performed within 15 minutes.

APPENDIX C

WATER QUALITY DATABASE
JANUARY 2001 THROUGH JUNE 2014

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 3M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/16/2012	6722028	8260	ND	ND	1.6 J	ND	ND	3.1 J	200	ND	26	ND	21	251.7
07/08/2013	7120727	8260	ND	ND	1.7 J	1.2 J	ND	2.8 J	160	1.1 J	100	ND	22	288.8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 4M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/17/2012	6723837	8260	ND	ND	ND	ND	ND	1.6 J	41	ND	4.9 J	ND	7.9	55.4
07/08/2013	7120735	8260	ND	ND	1.3 J	0.81 J	ND	5.0	89	ND	28	ND	10	134.11

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 5M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/16/2012	6722026	8260	ND	ND	ND	ND	ND	1.3 J	33	ND	260	ND	1.8 J	296.1
07/09/2013	7122572	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	25	ND	ND	28.4

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B- 6M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/10/2011	6433664	8260	ND	ND	ND	ND	ND	ND	10	ND	110	ND	ND	120
01/17/2012	6524419	8260	ND	ND	ND	ND	ND	0.82 J	22	ND	280	ND	ND	302.82
04/03/2012	6605294	8260	ND	ND	ND	ND	ND	ND	19	ND	250	ND	ND	269
07/17/2012	6723840	8260	ND	ND	ND	ND	ND	ND	16	ND	200	ND	ND	216
10/03/2012	6812009	8260	ND	ND	ND	ND	ND	0.86 J	19	ND	240	ND	ND	259.86
01/23/2013	6932568	8260	ND	ND	ND	ND	ND	1.2 J	40	ND	350	ND	ND	391.2
04/08/2013	7015025	8260	ND	ND	ND	ND	ND	0.80 J	23	ND	220	ND	ND	243.8
07/15/2013	7128199	8260	ND	ND	ND	ND	ND	ND	12	ND	160	ND	ND	172
11/13/2013	7276546	8260	ND	ND	ND	ND	ND	ND	17	ND	260	ND	ND	277
01/17/2014	7341388	8260	ND	ND	ND	ND	ND	ND	13	ND	190	ND	ND	203
04/14/2014	7430454	8260	ND	ND	ND	ND	ND	ND	7.3	ND	100	ND	ND	107.3

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/16/2012	6722037	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	3.8 J	ND	ND	4.9
07/09/2013	7122567	8260	ND	ND	ND	ND	ND	ND	0.94 J	ND	5.2	ND	ND	6.14

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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	8021	ND	ND	ND	ND	ND	ND	7800 E	ND	58000	ND	ND	65800
07/19/2004	A4682701	8260	ND	ND	ND	ND	3000	ND	3900	ND	71000	ND	ND	77900
10/15/2004	A4A20302	8021	ND	ND	ND	3.6	ND	6.5	980 D	ND	15000 D	4	17	16011.1
01/12/2005	A5036104	8260	ND	ND	ND	ND	ND	ND	920	ND	65000 E	ND	ND	65920
01/12/2005	A5036104DL	8260							860 D		51000 D			51860
04/19/2005	A5387403	8260	ND	ND	ND	ND	ND	ND	430	ND	18000	ND	ND	18430
07/15/2005	A5747101	8260/5ML	ND	ND	ND	ND	200	ND	3300	ND	34000 E	ND	320	37820
07/15/2005	A5747101DL	8260/5ML	ND	ND	ND	ND	870 D	ND	2700 D	ND	29000 D	ND	250 D	32820
10/24/2005	A5B97301	8260	ND	ND	0.93 J	12	ND	13	1400 E	0.61 J	12000 E	5.4	42	13473.94
10/24/2005	A5B97301DL	8260	ND	ND	ND	ND	ND	ND	880 D	ND	56000 BD	ND	ND	56880
01/26/2006	A6102405	8260	ND	ND	ND	ND	ND	ND	1000	ND	36000	ND	ND	37000
04/19/2006	6D20002-03RE1	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435905	8260	ND	ND	ND	ND	ND	ND	5600	ND	78000	ND	270 J	83870
01/17/2012	6524424	8260	ND	ND	ND	9.7	ND	11	1300	ND	35000	4.5 J	52	36377.2
04/04/2012	6607032	8260	ND	ND	ND	ND	ND	ND	1900	ND	32000	ND	120	34020
07/16/2012	6722032	8260	ND	ND	ND	32	ND	36	5500	ND	56000	11	340	61919
10/04/2012	6814361	8260	ND	ND	ND	ND	ND	ND	5800	ND	84000	ND	100 J	89900
01/23/2013	6932575	8260	ND	ND	ND	ND	ND	ND	2000	ND	51000	ND	ND	53000
04/08/2013	7015031	8260	ND	ND	ND	ND	ND	ND	760	ND	20000	ND	ND	20760
07/02/2013	7117030	8260	ND	ND	ND	ND	ND	ND	770	ND	21000	ND	18 J	21788
11/11/2013	7273097	8260	ND	ND	ND	ND	ND	ND	470	ND	13000	ND	ND	13470
01/17/2014	7341387	8260	ND	ND	ND	ND	ND	ND	260	ND	7700	ND	ND	7960
04/15/2014	7432590	8260	ND	ND	ND	ND	ND	3.2 J	250	ND	7400	2.7 J	ND	7655.9

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
10/10/2011	6433665	8260	ND	ND	ND	ND	ND	ND	2.3 J	ND	5.4	4.1 J	ND	11.8
01/17/2012	6524423	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2012	6605292	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2012	6717362	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1
10/04/2012	6814363	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.7 J	2.5 J	ND	5.2
01/17/2013	6926981	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2013	7015032	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/02/2013	7117034	8260	ND	ND	ND	ND	ND	ND	ND	ND	3.2 J	ND	ND	3.2
11/11/2013	7273094	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1
01/17/2014	7341385	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2014	7430455	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-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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	8021	ND	ND	1.3	ND	3.8 E	1.9 E	7.6 E	3.7 E	45 E	ND	ND	63.3
07/16/2004	A4674302	8260	ND	ND	ND	ND	1.3 J	ND	4.6	2	36	ND	ND	43.9
10/15/2004	A4A20301	8021	ND	ND	ND	ND	1.3	0.51 J	12	4.1	39	ND	ND	56.91
04/19/2005	A5387402	8260	ND	ND	ND	ND	ND	0.49 J	6	3.5	40 E	ND	ND	49.99
04/19/2005	A5387402DL	8260	ND	ND	ND	ND	ND	ND	5.7 D	3.3 D	40 D	ND	ND	49
07/20/2005	A5762302	8260/5ML	ND	ND	0.7 J	ND	ND	0.75 J	9.1	4.8	45	ND	ND	60.35
10/24/2005	A5B97303	8260	ND	ND	0.67 J	ND	ND	0.63 J	11	4.6	55 B	ND	ND	71.9
04/19/2006	6D20002-02	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
10/10/2011	6433666	8260	ND	ND	ND	ND	ND	ND	8.3	3.3 J	46	ND	ND	57.6
04/05/2012	6608275	8260	ND	ND	ND	ND	ND	ND	2.4 J	1.3 J	32	ND	ND	35.7
07/11/2012	6717352	8260	ND	ND	ND	ND	ND	ND	5.4	3.2 J	32	ND	ND	40.6
10/04/2012	6814364	8260	ND	ND	ND	ND	ND	0.86 J	9.4	4.0 J	44	ND	ND	58.26
04/02/2013	7007576	8260	ND	ND	ND	ND	ND	ND	3.1 J	2.3 J	27	ND	ND	32.4
07/02/2013	7117035	8260	ND	ND	ND	ND	ND	ND	3.2 J	2.1 J	28	ND	ND	33.3
11/14/2013	7278188	8260	ND	ND	ND	ND	ND	ND	ND	1.7 J	22	ND	ND	23.7

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-10M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/22/2014	7439163	8260	ND	ND	ND	ND	ND	ND	1.9	1.8	19	ND	ND	22.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-11M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/10/2012	6716079	8260	ND	ND	ND	ND	ND	1.4 J	27	ND	270	15	ND	313.4
07/02/2013	7117036	8260	ND	ND	ND	ND	ND	ND	4.3 J	ND	81	4.4 J	ND	89.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-12M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/16/2012	6722027	8260	ND	ND	29	7.8	ND	8.6	280	35	1700	ND	ND	2060.4
07/09/2013	7122571	8260	ND	ND	4.7 J	1.8 J	ND	2.1 J	80	8.8	490	ND	ND	587.4

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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

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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-13M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434702	8260	ND	ND	8.8 J	5.2 J	ND	15	770	ND	350	ND	8.6 J	1157.6
01/25/2012	6532442	8260	ND	ND	47	10	ND	9.6	780	5.2	870	0.91 J	24	1746.71
04/10/2012	6612005	8260	ND	ND	2.0 J	1.6 J	ND	4.3 J	440	ND	6.0	ND	140	593.9
07/18/2012	6726437	8260	ND	ND	7.3	4.3 J	ND	14	630	0.96 J	260	ND	27	943.56
10/02/2012	6810732	8260	ND	ND	7.5	4.3 J	ND	16	770	ND	240	ND	9.9	1047.7
01/22/2013	6931415	8260	ND	ND	30	4.4 J	ND	4.8 J	420	5.5	420	ND	15	899.7
04/03/2013	7010220	8260	ND	ND	21	3.6 J	ND	4.6 J	370	4.0 J	380	ND	32	815.2
07/08/2013	7120723	8260	ND	ND	26	5.2	ND	4.2 J	460	4.2 J	610	1.5 J	17	1128.1
11/13/2013	7276545	8260	ND	ND	4.9 J	1.0 J	ND	1.2 J	160	1.1 J	190	ND	6.8	365
01/16/2014	7340024	8260	ND	ND	1.9 J	ND	ND	ND	96	ND	120	ND	2.7 J	220.6
04/23/2014	7440680	8260	ND	ND	12	4.5	ND	5.8	510	2.9	650	1.4	20	1206.6

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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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-14M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/09/2013	7122569	8260	ND	ND	ND	ND	ND	ND	28	ND	54	ND	ND	82

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-15M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/11/2012	6717356	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123810	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-16M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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	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
07/10/2012	6716069	8260	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	ND	ND	1.2
07/09/2013	7122570	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-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435901	8260	ND	ND	52	32 J	ND	36 J	8500	ND	6800	ND	890	16310
01/16/2012	6523837	8260	ND	ND	130	40 J	ND	35 J	7200	21 J	6100	ND	790	14316
04/09/2012	6610602	8260	ND	ND	45 J	35 J	ND	48 J	8900	ND	7800	ND	1200	18028
07/18/2012	6726431	8260	ND	ND	170	67	ND	69	15000	20 J	6300	ND	2200	23826
10/02/2012	6810730	8260	ND	ND	95	49 J	ND	46 J	12000	9.1 J	4600	ND	1600	18399.1
01/23/2013	6932578	8260	ND	ND	66	42 J	ND	40 J	8000	15 J	6500	ND	960	15623
04/04/2013	7011179	8260	ND	ND	54	36	ND	41	9900	7.9 J	7900	ND	1200	19138.9
07/08/2013	7120732	8260	ND	ND	76	47	ND	51	10000	14	5200	4.1 J	1200	16592.1
11/12/2013	7275077	8260	ND	ND	75	47 J	ND	50 J	11000	15 J	6700	ND	1400	19287
01/16/2014	7340032	8260	ND	ND	110	34 J	ND	31 J	6200	22 J	4200	10 J	500	11107
04/16/2014	7433449	8260	ND	ND	77	39	ND	34	6300	17	8300	7.7 J	660	15434.7

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/16/2012	6722031	8260	ND	ND	ND	ND	ND	ND	7.0	ND	ND	ND	4.0 J	11
07/02/2013	7117032	8260	ND	ND	ND	ND	ND	ND	6.8	ND	29	ND	1.7 J	37.5

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434703	8260	ND	ND	ND	ND	ND	ND	3.7 J	ND	ND	ND	1.1 J	4.8
01/17/2012	6524429	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	ND	ND	2.9
04/10/2012	6612009	8260	ND	ND	ND	ND	ND	ND	3.9 J	ND	1.1 J	ND	1.1 J	6.1
01/22/2013	6931416	8260	ND	ND	ND	ND	ND	ND	0.81 J	ND	ND	ND	ND	0.81
04/03/2013	7010221	8260	ND	ND	ND	ND	ND	ND	2.5 J	ND	1.4 J	ND	ND	3.9
07/08/2013	7120734	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	ND	ND	ND	2.9
11/13/2013	7276544	8260	ND	ND	ND	ND	ND	ND	2.9 J	ND	2.1 J	ND	ND	5
01/16/2014	7340026	8260	ND	ND	ND	ND	ND	ND	3.1 J	ND	1.9 J	ND	ND	5
04/24/2014	7442061	8260	ND	ND	ND	ND	ND	ND	1.6	ND	ND	ND	ND	1.6

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/17/2012	6723841	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2013	7128198	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-ethene (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-ethene (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
10/10/2011	6433660	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2012	6526481	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.1 J	ND	ND	1.1
04/03/2012	6605291	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2012	6728257	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812014	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2013	6926976	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2013	7016202	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2013	7125533	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/14/2013	7278192	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2014	7342593	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2014	7430450	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/10/2011	6433661	8260	ND	ND	ND	ND	ND	0.89 J	43	ND	8.5	ND	1.9 J	54.29
01/18/2012	6526482	8260	ND	ND	1.2 J	ND	ND	4.8 J	120	ND	63	ND	ND	189
04/10/2012	6612011	8260	ND	ND	ND	ND	ND	4.0 J	120	ND	20	ND	ND	144
07/19/2012	6728258	8260	ND	ND	ND	ND	ND	ND	42	ND	9.8	ND	ND	51.8
10/03/2012	6812017	8260	ND	ND	ND	ND	ND	ND	36	ND	7.3	ND	ND	43.3
01/17/2013	6926979	8260	ND	ND	ND	ND	ND	3.4 J	87	ND	35	ND	ND	125.4
04/09/2013	7016198	8260	ND	ND	ND	ND	ND	ND	40	ND	9.1	ND	8.8	57.9
07/11/2013	7125534	8260	ND	ND	1.2 J	ND	ND	5.7	150	ND	53	ND	ND	209.9
11/14/2013	7278191	8260	ND	ND	1.7 J	ND	ND	6.6	210	ND	83	ND	ND	301.3
01/20/2014	7342592	8260	ND	ND	ND	ND	ND	4.9 J	130	ND	41	ND	ND	175.9
04/24/2014	7442065	8260	ND	ND	ND	ND	ND	2.6	67	ND	14	ND	ND	83.6

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-23M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/13/2011	6437681	8260	ND	ND	1.1 J	ND	ND	1.0 J	240	ND	10	ND	27	279.1
01/17/2012	6524418	8260	ND	ND	1.7 J	ND	ND	1.4 J	210	ND	57	ND	8.6	278.7
04/11/2012	6613966	8260	ND	ND	ND	ND	ND	ND	250	ND	1.3 J	ND	23	274.3
07/12/2012	6719399	8260	ND	ND	1.1 J	ND	ND	0.91 J	240	ND	4.8 J	ND	25	271.81
10/03/2012	6812006	8260	ND	ND	ND	ND	ND	ND	230	ND	7.5	ND	27	264.5
01/23/2013	6932570	8260	ND	ND	2.8 J	ND	ND	2.0 J	190	2.0 J	130	ND	8.5	335.3
04/08/2013	7015024	8260	ND	ND	ND	ND	ND	ND	220	ND	3.7 J	ND	28	251.7
07/16/2013	7129889	8260	ND	ND	3.4 J	0.91 J	ND	2.2 J	190	1.4 J	170	ND	9.3	377.21
11/13/2013	7276549	8260	ND	ND	2.6 J	1.0 J	ND	2.0 J	250	1.2 J	170	ND	11	437.8
01/17/2014	7341389	8260	ND	ND	2.0 J	ND	ND	1.8 J	170	0.83 J	130	ND	1.1 J	305.73
04/24/2014	7442060	8260	ND	ND	1.2	0.62 J	ND	1 J	210	ND	27	ND	11	250.82

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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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-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/13/2011	6437682	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	1.5
01/17/2012	6524417	8260	ND	ND	ND	ND	ND	ND	2.2 J	ND	4.7 J	ND	ND	6.9
04/03/2012	6605297	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	3.1 J	ND	ND	4.4
07/12/2012	6719396	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.3 J	ND	ND	2.3
10/03/2012	6812008	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2013	6932572	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	7.1	ND	ND	9.8
04/08/2013	7015026	8260	ND	ND	ND	ND	ND	ND	2.1 J	ND	5.2	ND	ND	7.3
07/16/2013	7129892	8260	ND	ND	ND	ND	ND	ND	1.9 J	ND	3.7 J	ND	ND	5.6
11/13/2013	7276547	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	5.4	ND	ND	8.8
01/20/2014	7342587	8260	ND	ND	ND	ND	ND	ND	2.4 J	ND	4.4 J	ND	ND	6.8
04/15/2014	7432582	8260	ND	ND	ND	ND	ND	ND	3.3	ND	5.2	ND	ND	8.5

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-25M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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:

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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-26M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
01/19/2012	6527708	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2012	6607021	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2012	6722034	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2013	7122565	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-27M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-28M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethene (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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-28M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/10/2011	6433662	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/25/2012	6532444	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2012	6605289	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/19/2012	6728259	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812018	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2013	6926975	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2013	7016203	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/11/2013	7125535	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/14/2013	7278190	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2014	7342591	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2014	7430453	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-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/12/2012	6719400	8260	ND	ND	ND	ND	ND	ND	15	ND	1.9 J	ND	1.7 J	18.6
07/16/2013	7129890	8260	ND	ND	ND	ND	ND	ND	0.93 J	ND	ND	ND	ND	0.93

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/16/2012	6722033	8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	ND	ND	ND	3.3
07/09/2013	7122566	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	ND	3.4

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1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-32M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
01/19/2012	6527709	8260	ND	ND	1.1 J	ND	ND	1.1 J	54	ND	28	ND	1.2 J	85.4
04/03/2012	6605293	8260	ND	ND	1.4 J	ND	ND	1.9 J	61	ND	34	ND	1.1 J	99.4
07/12/2012	6719401	8260	ND	ND	ND	ND	ND	1.0 J	23	ND	1.5 J	ND	9.8	35.3
07/15/2013	7128195	8260	ND	ND	1.1 J	ND	ND	1.4 J	43	ND	31	ND	4.5 J	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-33M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/12/2012	6719402	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2013	7129891	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-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-ethene (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.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-35M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-37M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/10/2011	6433657	8260	ND	ND	ND	0.91 J	ND	1.1 J	53	ND	39	ND	2.4 J	96.41
01/19/2012	6527710	8260	ND	ND	ND	ND	ND	0.92 J	44	ND	21	ND	1.1 J	67.02
04/04/2012	6607028	8260	ND	ND	1.2 J	ND	ND	1.4 J	56	ND	40	ND	ND	98.6
07/19/2012	6728256	8260	ND	ND	ND	ND	ND	0.83 J	45	ND	39	ND	1.1 J	85.93
10/03/2012	6812013	8260	ND	ND	ND	ND	ND	ND	36	ND	27	ND	ND	63
01/17/2013	6926980	8260	ND	ND	ND	ND	ND	1.1 J	48	ND	24	ND	ND	73.1
04/09/2013	7016204	8260	ND	ND	1.4 J	ND	ND	1.4 J	59	ND	44	ND	ND	105.8
07/11/2013	7125532	8260	ND	ND	1.6 J	0.94 J	ND	1.4 J	60	ND	52	ND	1.9 J	117.84
11/14/2013	7278193	8260	ND	ND	1.2 J	0.90 J	ND	ND	60	ND	51	ND	1.9 J	115
01/20/2014	7342594	8260	ND	ND	ND	ND	ND	1.2 J	50	ND	43	ND	1.3 J	95.5
04/14/2014	7430447	8260	ND	ND	0.92 J	0.83 J	ND	1.4	55	ND	59	ND	1.5	118.65

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-39M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-39M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434696	8260	ND	ND	ND	ND	ND	ND	0.94 J	ND	2.2 J	ND	ND	3.14
01/25/2012	6532443	8260	ND	ND	ND	ND	ND	ND	1.1 J	ND	4.8 J	ND	ND	5.9
04/05/2012	6608278	8260	ND	ND	ND	ND	ND	ND	3.2 J	ND	10	ND	ND	13.2
07/11/2012	6717363	8260	ND	ND	ND	ND	ND	ND	2.8 J	ND	7.3	ND	ND	10.1
10/04/2012	6814373	8260	ND	ND	ND	ND	ND	ND	4.8 J	ND	8.7	ND	ND	13.5
01/24/2013	6934228	8260	ND	ND	ND	ND	ND	ND	2.0 J	ND	10	ND	ND	12
04/02/2013	7007573	8260	ND	ND	ND	ND	ND	ND	1.8 J	ND	8.0	ND	ND	9.8
07/02/2013	7117041	8260	ND	ND	ND	ND	ND	ND	1.8 J	ND	6.8	ND	ND	8.6
11/11/2013	7273093	8260	ND	ND	ND	ND	ND	ND	1.7 J	ND	5.3	ND	ND	7
01/17/2014	7341379	8260	ND	ND	ND	ND	ND	ND	1.6 J	ND	5.2	ND	ND	6.8
04/22/2014	7439162	8260	ND	ND	ND	ND	ND	ND	2.6	ND	7.5	ND	ND	10.1

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-40M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434699	8260	ND	ND	ND	ND	ND	0.91 J	4.7 J	ND	2.1 J	ND	ND	7.71
01/18/2012	6526477	8260	ND	ND	ND	ND	ND	ND	4.2 J	ND	1.8 J	ND	ND	6
04/05/2012	6608277	8260	ND	ND	ND	ND	ND	ND	3.8 J	ND	6.1	ND	ND	9.9
07/11/2012	6717361	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	2.1 J	ND	ND	4.7
10/04/2012	6814370	8260	ND	ND	ND	ND	ND	ND	3.6 J	ND	2.4 J	ND	ND	6
01/24/2013	6934227	8260	ND	ND	ND	ND	ND	ND	3.3 J	ND	2.2 J	ND	ND	5.5
04/02/2013	7007574	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	1.6 J	ND	ND	4.2
07/02/2013	7117040	8260	ND	ND	ND	ND	ND	ND	2.6 J	ND	2.6 J	ND	ND	5.2
11/11/2013	7273092	8260	ND	ND	ND	ND	ND	ND	4.8 J	ND	4.5 J	ND	ND	9.3
01/17/2014	7341381	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	3.2 J	ND	ND	6.6
04/22/2014	7439161	8260	ND	ND	ND	ND	ND	ND	2.2	ND	1.4	ND	ND	3.6

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-41M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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	8021	ND	ND	ND	ND	ND	1.1 E	2.6 E	ND	ND	ND	ND	3.7
07/16/2004	A4674202	8260	ND	ND	ND	ND	ND	0.9 J	2.3	ND	0.3 J	ND	ND	3.5
10/12/2004	A4A09701	8021	ND	ND	ND	ND	ND	1.3	6.7	ND	ND	ND	ND	8
01/18/2005	A5051003	8260	ND	ND	ND	ND	ND	0.75 J	2	ND	0.38 J	ND	ND	3.13
04/26/2005	A5414302	8260	ND	ND	ND	ND	ND	1.3	3.8	ND	ND	ND	ND	5.1
07/26/2005	A5791603	8260/5ML	ND	ND	ND	ND	ND	1.2	2.9	ND	ND	ND	ND	4.1
10/21/2005	A5B92603	8260	ND	ND	ND	ND	ND	1	4.3	ND	ND	ND	0.99 J	6.29
01/27/2006	A6102502	8260	ND	ND	ND	ND	ND	0.62 J	3.1	ND	ND	ND	ND	3.72
04/21/2006	6D21017-03	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434700	8260	ND	ND	ND	ND	ND	ND	4.4 J	ND	ND	ND	ND	4.4
01/18/2012	6526476	8260	ND	ND	ND	ND	ND	ND	6.2	ND	5.8	ND	ND	12
04/05/2012	6608276	8260	ND	ND	ND	ND	ND	ND	7.9	ND	10	ND	ND	17.9
07/11/2012	6717360	8260	ND	ND	ND	ND	ND	ND	5.8	ND	ND	ND	ND	5.8
10/04/2012	6814365	8260	ND	ND	ND	ND	ND	ND	4.6 J	ND	ND	ND	ND	4.6
01/24/2013	6934226	8260	ND	ND	ND	ND	ND	ND	7.8	ND	ND	ND	ND	7.8
04/02/2013	7007575	8260	ND	ND	ND	ND	ND	ND	6.8	ND	ND	ND	ND	6.8
07/02/2013	7117037	8260	ND	ND	ND	ND	ND	ND	5.7	ND	ND	ND	ND	5.7
11/14/2013	7278189	8260	ND	ND	ND	ND	ND	ND	7.2	ND	ND	ND	2.5 J	9.7
01/17/2014	7341382	8260	ND	ND	ND	ND	ND	ND	6.5	ND	ND	ND	ND	6.5
04/22/2014	7439160	8260	ND	ND	ND	ND	ND	ND	7.9	ND	ND	ND	0.84 J	8.74

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-42M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435897	8260	ND	ND	ND	ND	ND	ND	5.3	ND	1.9 J	ND	ND	7.2
01/18/2012	6526475	8260	ND	ND	ND	ND	ND	ND	5.7	ND	2.1 J	ND	ND	7.8
04/09/2012	6610605	8260	ND	ND	ND	ND	ND	1.7 J	16	ND	13	ND	1.2 J	31.9
07/18/2012	6726433	8260	ND	ND	ND	ND	ND	0.90 J	8.3	ND	3.1 J	ND	ND	12.3
10/02/2012	6810726	8260	ND	ND	ND	ND	ND	0.83 J	6.5	ND	2.3 J	ND	ND	9.63
01/22/2013	6931421	8260	ND	ND	ND	ND	ND	ND	6.3	ND	3.2 J	ND	ND	9.5
04/04/2013	7011181	8260	ND	ND	ND	ND	ND	1.3 J	11	ND	7.7	ND	ND	20
07/08/2013	7120728	8260	ND	ND	ND	ND	ND	ND	4.9 J	ND	3.2 J	ND	ND	8.1
11/12/2013	7275074	8260	ND	ND	ND	ND	ND	ND	2.7 J	ND	1.9 J	ND	ND	4.6
01/16/2014	7340029	8260	ND	ND	ND	ND	ND	ND	2.2 J	ND	1.8 J	ND	ND	4
04/16/2014	7433452	8260	ND	ND	ND	ND	ND	1	7.8	ND	9.3	ND	ND	18.1

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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-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, 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: B-43M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435898	8260	ND	ND	ND	ND	ND	ND	11	ND	3.4 J	ND	2.3 J	16.7
01/16/2012	6523836	8260	ND	ND	ND	ND	ND	ND	10	ND	3.3 J	ND	4.0 J	17.3
04/09/2012	6610604	8260	ND	ND	ND	ND	ND	ND	15	ND	27	ND	ND	42
07/18/2012	6726434	8260	ND	ND	ND	ND	ND	ND	11	ND	3.0 J	ND	4.3 J	18.3
10/02/2012	6810725	8260	ND	ND	ND	ND	ND	ND	11	ND	3.4 J	ND	2.9 J	17.3
01/22/2013	6931417	8260	ND	ND	ND	ND	ND	ND	5.9	ND	1.6 J	ND	3.1 J	10.6
04/04/2013	7011178	8260	ND	ND	ND	ND	ND	ND	9.5	ND	15	ND	ND	24.5
07/08/2013	7120729	8260	ND	ND	ND	ND	ND	ND	5.0	ND	2.4 J	ND	1.5 J	8.9
11/12/2013	7275073	8260	ND	ND	ND	ND	ND	ND	6.8	ND	1.4 J	ND	5.3	13.5
01/16/2014	7340031	8260	ND	ND	ND	ND	ND	ND	7.2	ND	1.2 J	ND	3.3 J	11.7
04/16/2014	7433451	8260	ND	ND	ND	ND	ND	ND	5.2	ND	13	ND	1.5	19.7

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-44M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435904	8260	ND	ND	9.9	ND	ND	0.82 J	12	ND	6.1	ND	6.6	35.42
01/16/2012	6523835	8260	ND	ND	8.6	ND	ND	ND	11	ND	5.5	ND	5.7	30.8
04/09/2012	6610603	8260	ND	ND	7.2	ND	ND	ND	53	ND	68	ND	6.5	134.7
07/18/2012	6726432	8260	ND	ND	8.7	ND	ND	ND	6.5	ND	3.2 J	ND	3.7 J	22.1
10/02/2012	6810731	8260	ND	ND	9.3	ND	ND	ND	13	ND	5.2	ND	7.4	34.9
01/24/2013	6934234	8260	ND	ND	8.4	ND	ND	ND	11	ND	4.8 J	ND	4.8 J	29
04/04/2013	7011177	8260	ND	ND	6.6	ND	ND	ND	26	ND	46	ND	4.7 J	83.3
07/08/2013	7120733	8260	ND	ND	7.7	ND	ND	ND	10	ND	4.5 J	ND	5.1	27.3
11/12/2013	7275072	8260	ND	ND	9.3	ND	ND	ND	11	ND	4.6 J	ND	6.8	31.7
01/16/2014	7340030	8260	ND	ND	6.8	ND	ND	ND	11	ND	3.8 J	ND	4.4 J	26
04/16/2014	7433450	8260	ND	ND	6.3	ND	ND	0.6 J	20	ND	53	ND	2.7	82.6

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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.
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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/12/2012	6719393	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2013	7128196	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-46M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/12/2012	6719403	8260	ND	ND	ND	ND	ND	ND	46	ND	10	ND	3.3 J	59.3
07/15/2013	7128197	8260	ND	ND	ND	ND	ND	ND	49	ND	10	ND	2.5 J	61.5

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-48M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434705	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/18/2012	6526474	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/10/2012	6612012	8260	ND	ND	ND	ND	ND	ND	ND	ND	2.1 J	ND	ND	2.1
07/18/2012	6726438	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/02/2012	6810735	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2013	6931411	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.0 J	ND	ND	1
04/03/2013	7010222	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	1.8
07/09/2013	7122577	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.2 J	ND	ND	1.2
11/13/2013	7276543	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2014	7340028	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2014	7440681	8260	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	3.3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-49M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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

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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-49M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434706	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2012	6524428	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/11/2012	6613965	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.8 J	ND	ND	1.8
07/18/2012	6726440	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/02/2012	6810736	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/22/2013	6931412	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2013	7010223	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/09/2013	7122574	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/13/2013	7276542	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/16/2014	7340034	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/23/2014	7440683	8260	ND	ND	ND	ND	ND	ND	ND	ND	1.6	ND	ND	1.6

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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-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/17/2012	6723847	8260	ND	ND	ND	ND	ND	1.1 J	13	ND	58	ND	ND	72.1
07/15/2013	7128201	8260	ND	ND	ND	ND	ND	1.4 J	20	ND	83	ND	ND	104.4

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-51M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/17/2012	6723842	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2013	7128207	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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/17/2012	6723845	8260	ND	ND	ND	ND	ND	ND	3.0 J	ND	12	ND	ND	15
07/15/2013	7128206	8260	ND	ND	ND	ND	ND	ND	1.3 J	ND	6.7	ND	ND	8

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/17/2012	6723846	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2013	7128205	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-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/17/2012	6723848	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/15/2013	7128204	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-56M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/13/2011	6437684	8260	ND	ND	2.8 J	ND	ND	2.6 J	69	2.0 J	240	ND	1.9 J	318.3
01/17/2012	6524416	8260	ND	ND	ND	ND	ND	0.83 J	21	ND	160	ND	ND	181.83
04/03/2012	6605298	8260	ND	ND	ND	ND	ND	ND	10	ND	64	ND	ND	74
07/12/2012	6719398	8260	ND	ND	ND	ND	ND	1.2 J	25	ND	190	ND	ND	216.2
10/03/2012	6812007	8260	ND	ND	1.8 J	0.97 J	ND	1.7 J	200	1.7 J	99	ND	2.0 J	307.17
01/23/2013	6932574	8260	ND	ND	ND	ND	ND	ND	15	ND	45	ND	ND	60
04/08/2013	7015029	8260	ND	ND	ND	ND	ND	0.97 J	27	ND	110	ND	ND	137.97
07/16/2013	7129886	8260	ND	ND	ND	ND	ND	ND	4.6 J	ND	21	ND	ND	25.6
11/13/2013	7276550	8260	ND	ND	ND	ND	ND	ND	8.2	ND	46	ND	ND	54.2
01/20/2014	7342588	8260	ND	ND	ND	ND	ND	ND	9.7	ND	51	ND	ND	60.7
04/15/2014	7432581	8260	ND	ND	ND	ND	ND	ND	3.9	ND	21	ND	ND	24.9

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY — WHEATFIELD, NEW YORK

Well Id: B-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **B-57M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/13/2011	6437687	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/17/2012	6524415	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/03/2012	6605299	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/12/2012	6719395	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812010	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/23/2013	6932573	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/08/2013	7015030	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2013	7129885	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/13/2013	7276548	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
01/20/2014	7342586	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/15/2014	7432580	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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/12/2012	6719394	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/16/2013	7129893	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-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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/11/2012	6717359	8260	ND	ND	ND	ND	ND	ND	3.4 J	ND	ND	ND	2.7 J	6.1
07/10/2013	7123808	8260	ND	ND	ND	ND	ND	ND	0.90 J	ND	ND	ND	ND	0.9

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: B-60M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/11/2012	6717358	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123811	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/11/2012	6717357	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123809	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-62M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/10/2012	6716076	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123803	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/10/2012	6716070	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123802	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-64M

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/10/2012	6716071	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123804	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-65M**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/10/2012	6716072	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123805	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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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
07/10/2012	6716077	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123806	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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
07/10/2012	6716078	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
07/10/2013	7123807	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: **DNAPL Sump**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435908	8260	ND	ND	210	41	ND	9.9 J	980	1600	3700	ND	42	6582.9
01/19/2012	6527711	8260	ND	ND	82	22	ND	2.4 J	500	560	1600	ND	5.7 J	2772.1
04/04/2012	6607024	8260	ND	ND	77	15	ND	4.1 J	710	560	2700	ND	20	4086.1
07/19/2012	6728260	8260	ND	ND	150	26	ND	10 J	1700	970	7800	ND	48	10704
10/04/2012	6814368	8260	ND	ND	ND	ND	ND	ND	2.7 J	5.7	75	ND	ND	83.4
01/24/2013	6934232	8260	ND	ND	ND	ND	ND	ND	12	2.6 J	36	ND	ND	50.6
04/04/2013	7011183	8260	ND	ND	81	22	ND	7.9 J	640	590	6300	ND	18	7658.9
07/11/2013	7125530	8260	ND	ND	77	21	ND	9.1	780	530	8700	1.3 J	44	10162.4
11/12/2013	7275078	8260	ND	ND	61	15 J	ND	4.7 J	530	390	4400	ND	18 J	5418.7
01/17/2014	7341390	8260	ND	ND	33	9.0	ND	2.5 J	260	260	2500	ND	3.0 J	3067.5
04/14/2014	7430456	8260	ND	ND	94	27	ND	4.7 J	490	790	4900	ND	6.2	6311.9

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: P-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/13/2011	6437683	8260	ND	ND	ND	ND	ND	3.4 J	97	ND	ND	ND	ND	100.4
01/17/2012	6524421	8260	ND	ND	ND	ND	ND	ND	29 J	ND	21 J	ND	ND	50
04/04/2012	6607022	8260	ND	ND	ND	ND	ND	1.3 J	38	ND	ND	ND	ND	39.3
07/16/2012	6722029	8260	ND	ND	ND	ND	ND	3.9 J	83	ND	1.2 J	ND	ND	88.1
10/04/2012	6814367	8260	ND	ND	ND	ND	ND	2.7 J	77	ND	ND	ND	ND	79.7
01/24/2013	6934233	8260	ND	ND	ND	ND	ND	1.1 J	32	ND	ND	ND	ND	33.1
04/03/2013	7010226	8260	ND	ND	ND	ND	ND	1.2 J	30	ND	ND	ND	1.6 J	32.8
07/08/2013	7120726	8260	ND	ND	ND	ND	ND	3.7 J	100	ND	2.2 J	ND	1.6 J	107.5
11/12/2013	7275080	8260	ND	ND	ND	ND	ND	ND	46	ND	ND	ND	2.6 J	48.6
01/16/2014	7340033	8260	ND	ND	ND	ND	ND	1.0 J	27	ND	ND	ND	ND	28
04/15/2014	7432587	8260	ND	ND	ND	ND	ND	2	71	ND	1.6	ND	0.94 J	75.54

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **P-4**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/11/2011	6434704	8260	ND	ND	25	5.8 J	ND	11	870	6.1 J	1200	ND	ND	2117.9
01/17/2012	6524420	8260	ND	ND	ND	ND	ND	1.1 J	35	ND	ND	ND	1.2 J	37.3
04/04/2012	6607020	8260	ND	ND	24	5.1 J	ND	6.7 J	530	8.6 J	1400	ND	7.6 J	1982
07/17/2012	6723838	8260	ND	ND	22	5.2	ND	11	580	6.2	890	ND	ND	1514.4
10/02/2012	6810734	8260	ND	ND	19	3.6 J	ND	9.2	580	4.9 J	850	ND	ND	1466.7
01/22/2013	6931414	8260	ND	ND	52	11	ND	10	620	42	2100	2.0 J	19	2856
04/03/2013	7010225	8260	ND	ND	40	7.1	ND	8.5	520	28	1900	1.9 J	11	2516.5
07/09/2013	7122573	8260	ND	ND	39	8.4 J	ND	7.8 J	700	18 J	2500	ND	16 J	3289.2
11/12/2013	7275081	8260	ND	ND	38	10	ND	9.5 J	750	16	2700	3.4 J	31	3557.9
01/16/2014	7340027	8260	ND	ND	10	4.1 J	ND	5.4	330	7.6	1500	1.7 J	4.9 J	1863.7
04/15/2014	7432586	8260	ND	ND	11	4.2	ND	5.7	330	6.5	1200	1.5	6.5	1565.4

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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-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (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-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435899	8260	ND	ND	1.8 J	ND	ND	2.1 J	120	ND	530	ND	6.7	660.6
01/16/2012	6523838	8260	ND	ND	8.6	2.4 J	ND	3.2 J	300	4.9 J	1400	ND	14	1733.1
04/04/2012	6607023	8260	ND	ND	8.9	3.0 J	ND	3.1 J	340	4.3 J	1400	ND	18	1777.3
07/18/2012	6726430	8260	ND	ND	ND	ND	ND	0.92 J	58	ND	210	ND	2.5 J	271.42
10/02/2012	6810729	8260	ND	ND	1.3 J	0.99 J	ND	2.0 J	230	1.1 J	860	ND	1.6 J	1096.99
01/22/2013	6931418	8260	ND	ND	4.4 J	1.6 J	ND	2.5 J	250	3.8 J	810	ND	12	1084.3
04/04/2013	7011182	8260	ND	ND	2.1 J	1.1 J	ND	1.7 J	220	1.5 J	610	ND	9.4	845.8
07/08/2013	7120731	8260	ND	ND	2.6 J	1.5 J	ND	2.0 J	260	1.1 J	660	ND	14	941.2
11/12/2013	7275070	8260	ND	ND	1.4 J	0.86 J	ND	1.4 J	180	ND	560	ND	8.5	752.16
01/16/2014	7340021	8260	ND	ND	32 J	10 J	ND	10 J	1700	12 J	4700	ND	66	6530
04/15/2014	7432588	8260	ND	ND	5.8	1.7	ND	1.8	240	1.9	710	0.72 J	9.4	971.32

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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-2

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435906	8260	ND	ND	ND	7.2 J	ND	6.9 J	1100	ND	2900	ND	ND	4014.1
01/19/2012	6527712	8260	ND	ND	ND	2.3 J	ND	2.7 J	500	ND	2000	ND	2.3 J	2507.3

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To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

1) Nondetected concentrations have been represented as ND for reporting purposes.
2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
3) The method change to 8260 was approved by the NYSDEC and changed in January 2005.

FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: PW-3

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
04/04/2012	6607030	8260	ND	ND	ND	3.0 J	ND	3.4 J	570	ND	2700	ND	3.9 J	3280.3
07/10/2012	6716080	8260	ND	ND	ND	9.5	ND	8.2	1400	ND	2900	2.4 J	4.1 J	4324.2
10/04/2012	6814362	8260	ND	ND	ND	3.2 J	ND	2.7 J	510	ND	760	3.2 J	7.5	1286.6
01/24/2013	6934231	8260	ND	ND	ND	ND	ND	1.1 J	160	ND	740	4.1 J	1.4 J	906.6
04/02/2013	7007578	8260	ND	ND	ND	0.81 J	ND	1.1 J	170	ND	510	8.2	1.7 J	691.81
07/02/2013	7117031	8260	ND	ND	ND	ND	ND	ND	120	ND	410	5.1	2.7 J	537.8
11/11/2013	7273098	8260	ND	2.4 J	ND	1.0 J	ND	1.3 J	200	ND	740	4.3 J	1.9 J	950.9
01/17/2014	7341386	8260	ND	5.8	ND	ND	ND	1.4 J	170	ND	800	2.9 J	ND	980.1
04/14/2014	7430458	8260	ND	8.5	ND	ND	ND	0.65 J	64	ND	430	4.2	ND	507.35

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **PW-4**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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
10/12/2011	6435907	8260	ND	ND	ND	ND	ND	0.93 J	59	ND	480	ND	ND	539.93
01/19/2012	6527713	8260	ND	ND	ND	ND	ND	ND	1.8 J	ND	23	ND	ND	24.8
04/04/2012	6607025	8260	ND	ND	ND	ND	ND	ND	3.7 J	ND	29	ND	ND	32.7
07/19/2012	6728261	8260	ND	ND	ND	ND	ND	ND	22	ND	260	ND	ND	282
10/04/2012	6814369	8260	ND	ND	40	11	ND	11	2200	14	380	ND	310	2966
01/24/2013	6934235	8260	ND	ND	ND	ND	ND	ND	36	ND	38	ND	2.3 J	76.3
04/02/2013	7007577	8260	ND	ND	ND	ND	ND	ND	4.0 J	ND	41	ND	ND	45
07/11/2013	7125531	8260	ND	ND	1.2 J	ND	ND	ND	44	1.5 J	2.0 J	ND	3.0 J	51.7
11/12/2013	7275079	8260	ND	ND	ND	ND	ND	ND	17	ND	5.5	ND	1.3 J	23.8
01/17/2014	7341391	8260	ND	ND	ND	ND	ND	ND	2.3 J	ND	19	ND	ND	21.3
04/14/2014	7430457	8260	ND	ND	ND	ND	ND	ND	1.7	ND	16	ND	ND	17.7

ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.
To address the NYSDEC concerns regarding the presentation and plotting of nondetected values, the data for 2001 to 2004 has been reevaluated and interpreted as follows:

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2) Total VOCs have been recalculated and represented as the sum of the detected parameters shown on this table.
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FORMER CARBORUNDUM FACILITY

WHEATFIELD, NEW YORK

Well Id: **Quarry Pond**

Date	Lab Sample Id	Method	Carbon tetrachloride (ug/L)	Chloroform (ug/L)	1,1-Dichloro-ethane (ug/L)	1,1-Dichloro ethene (ug/L)	Methylene chloride (ug/L)	Trans-1,2-dichloro-ethene (ug/L)	Cis-1,2-dichloro-ethylene (ug/L)	1,1,1-Trichloro-ethane (ug/L)	Trichloro-ethene (TCE) (ug/L)	Tetrachloro-ethylene (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	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
10/10/2011	6433656	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/04/2012	6607029	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
10/03/2012	6812012	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/09/2013	7016205	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
11/14/2013	7278194	8260	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
04/14/2014	7430448	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: **T-002**

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-ethene (TCE) (ug/L)	Tetrachloro-ethylene (PCE) (ug/L)	Vinyl chloride (ug/L)	Total (ug/L)
01/23/2013	6932569	8260	ND	ND	74	11	ND	4.8 J	580	440	1400	8.0	21	2538.8
04/08/2013	7015034	8260	ND	ND	46	ND	ND	1.4 J	300	5.3	780	3.9 J	30	1166.6
07/11/2013	7125537	8260	ND	ND	18 J	ND	ND	ND	300	ND	580	ND	15 J	913
11/12/2013	7275082	8260	ND	ND	24	3.2 J	ND	3.2 J	640	54	530	4.5 J	65	1323.9
01/20/2014	7342584	8260	ND	ND	32	5.0 J	ND	3.7 J	970	88	540	4.2 J	84	1726.9
04/15/2014	7432589	8260	ND	ND	14	2.4	ND	2.3	440	23	450	3.8	38	973.5

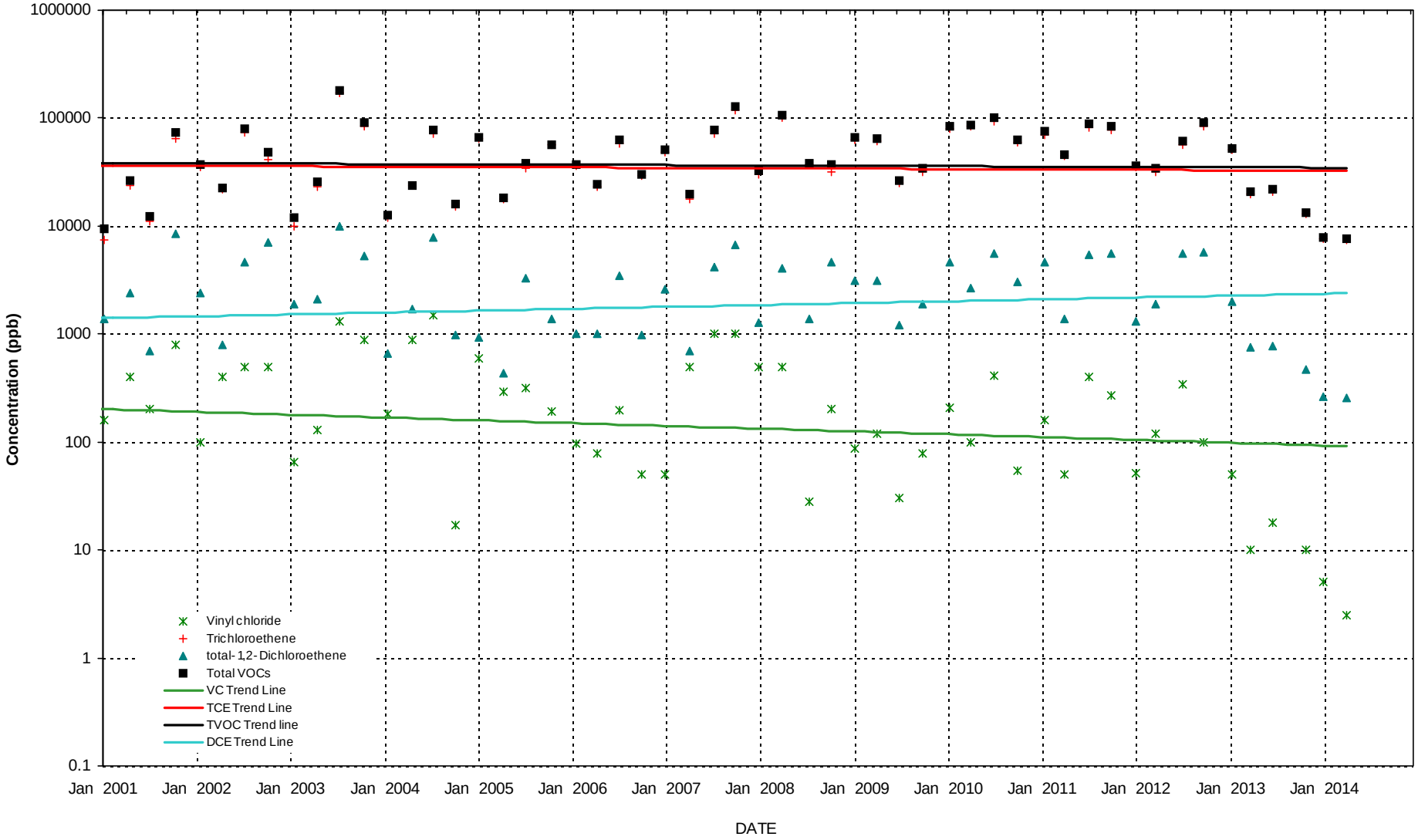
ND - Not detected, indicates parameter was analyzed for, but not detected at or above the reporting limit.

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.

TREND ANALYSIS

WELL B-8M



TREND ANALYSIS

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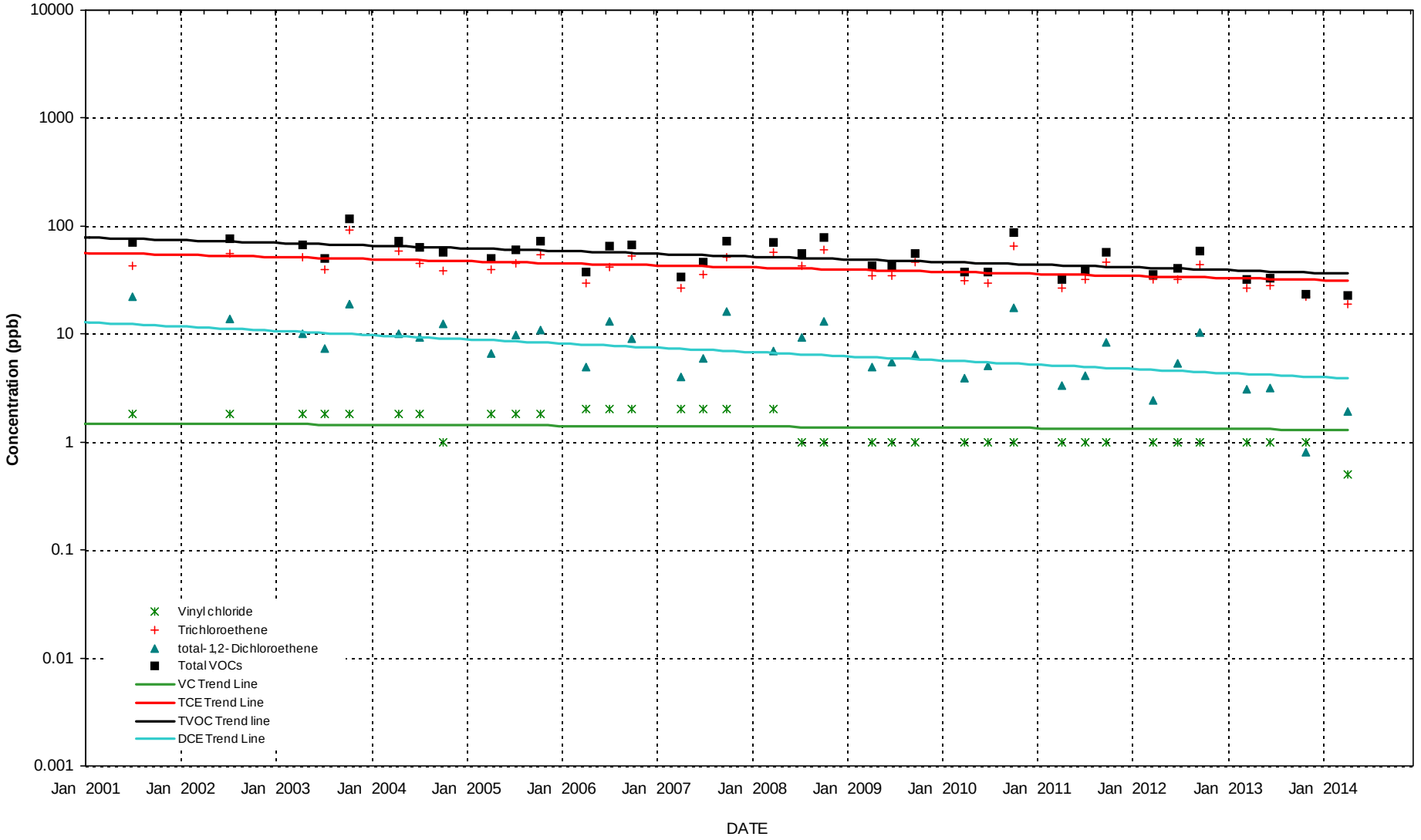

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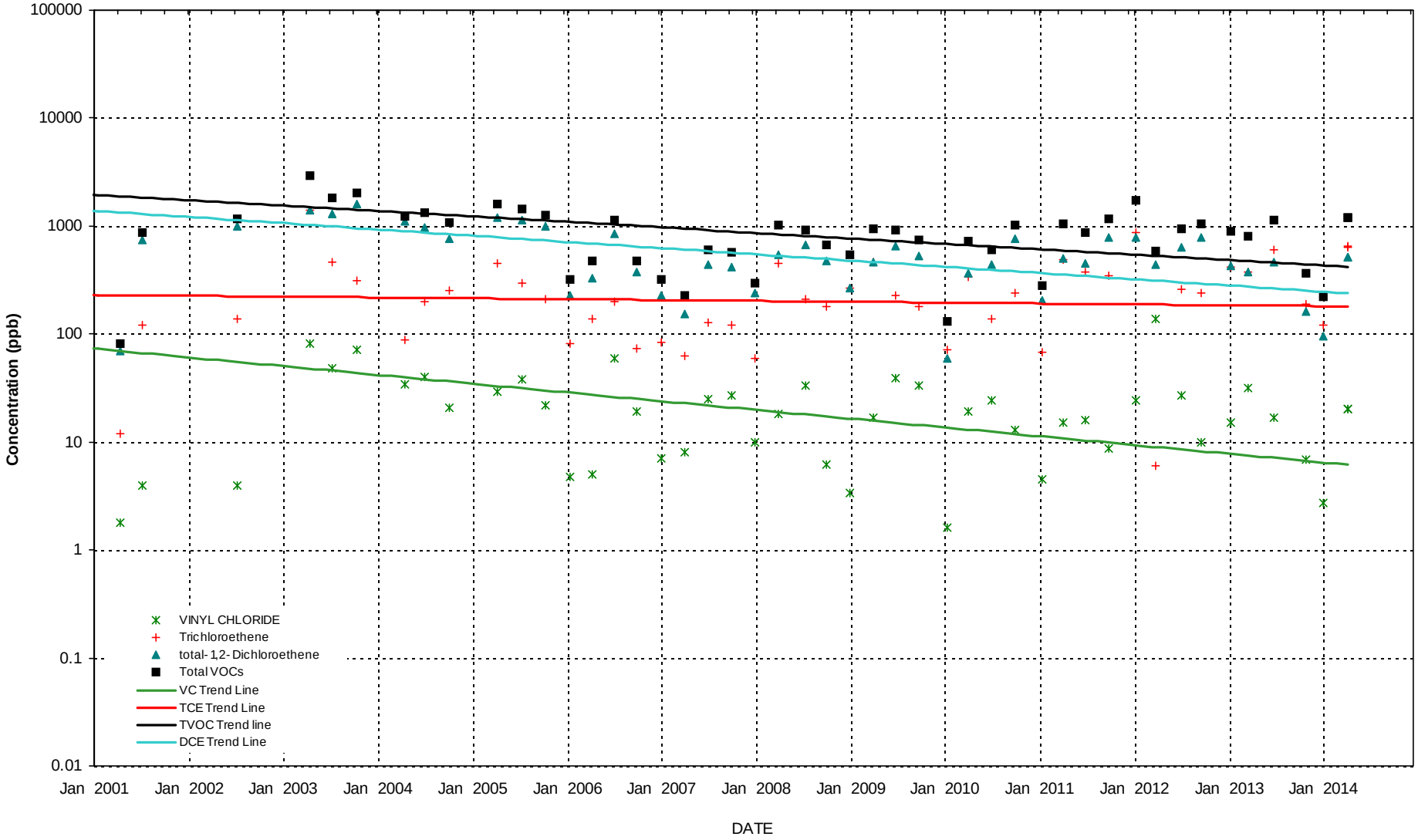
PARSONS

TREND ANALYSIS

WELL B-13M



TREND ANALYSIS

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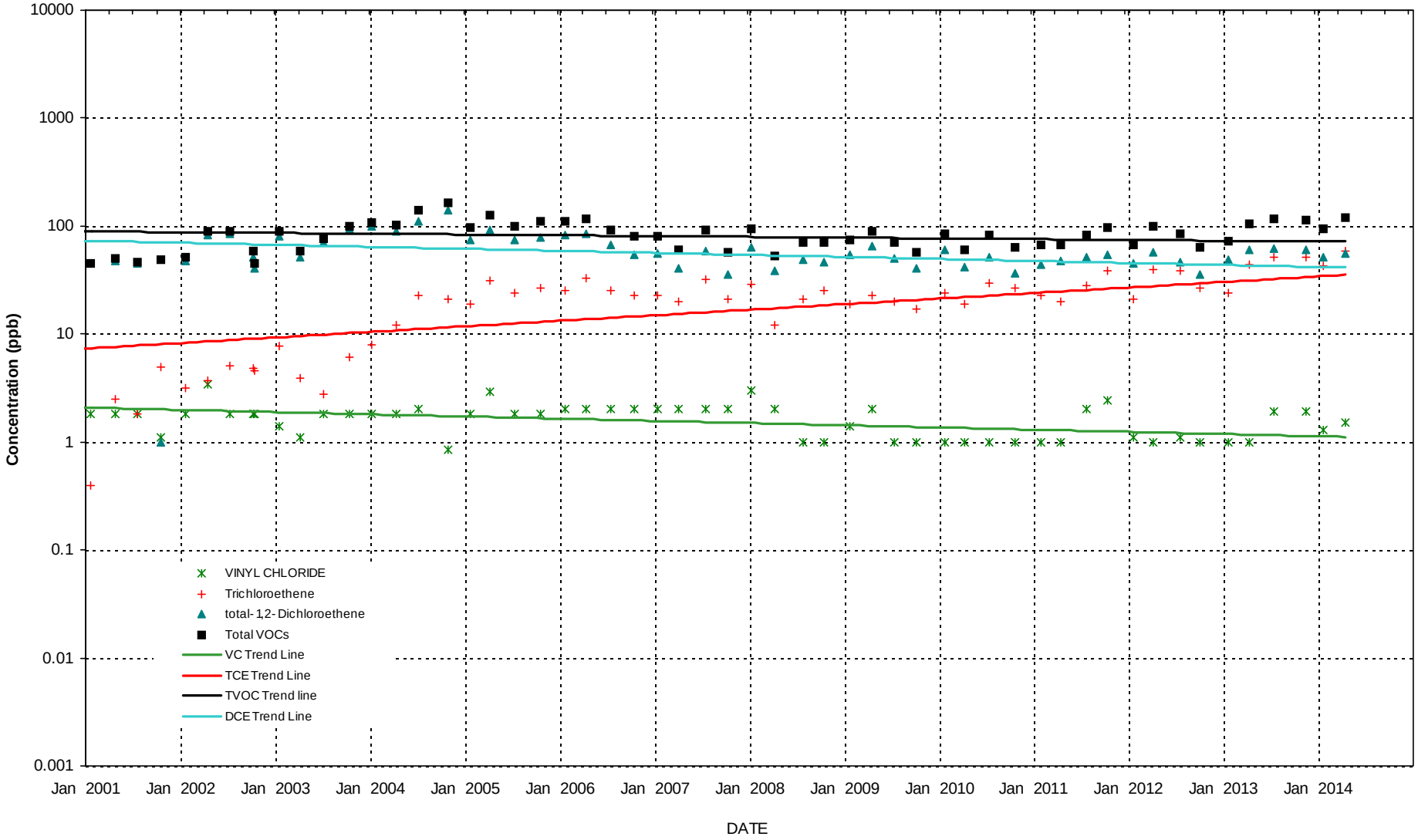
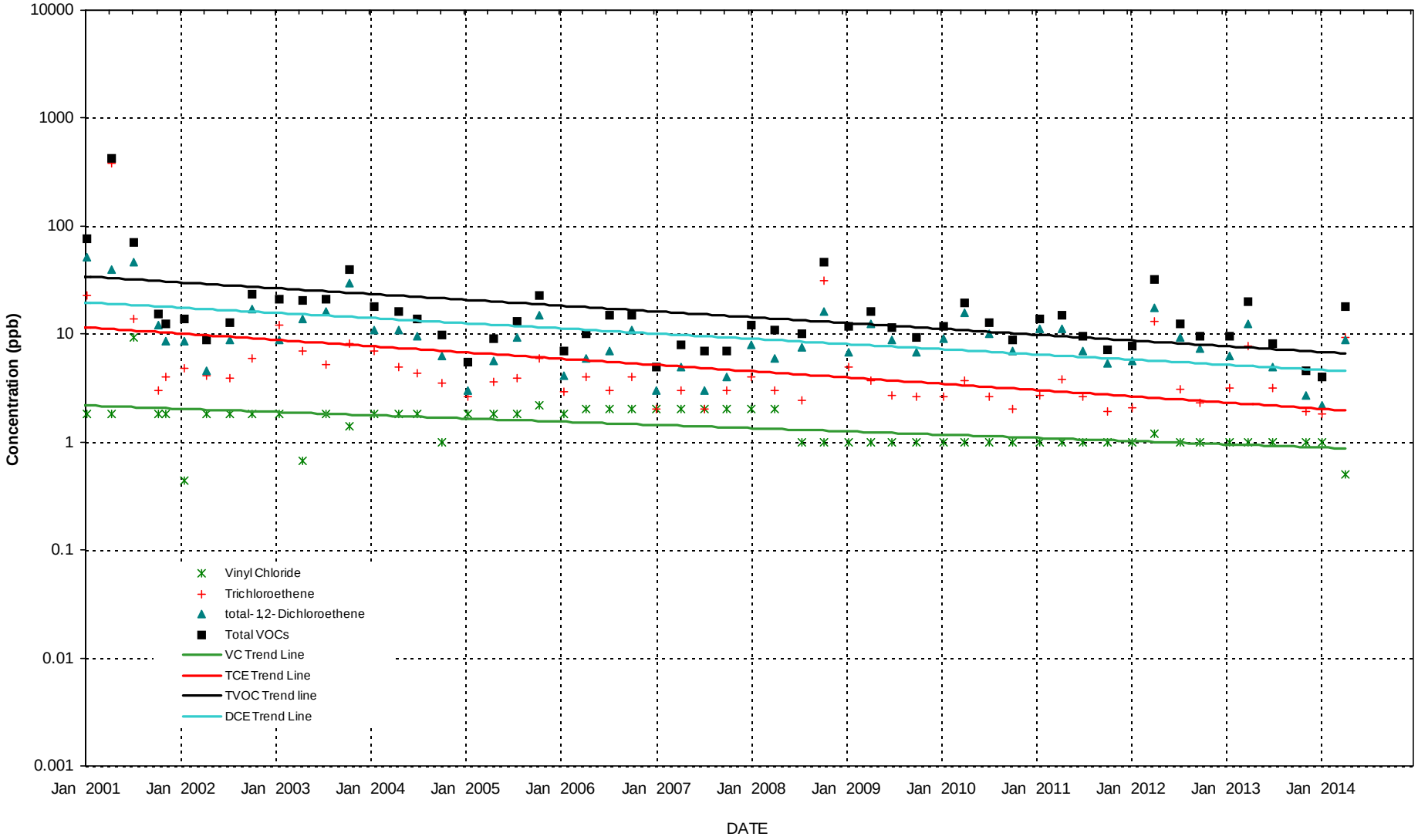


TREND ANALYSIS

Well B-42M



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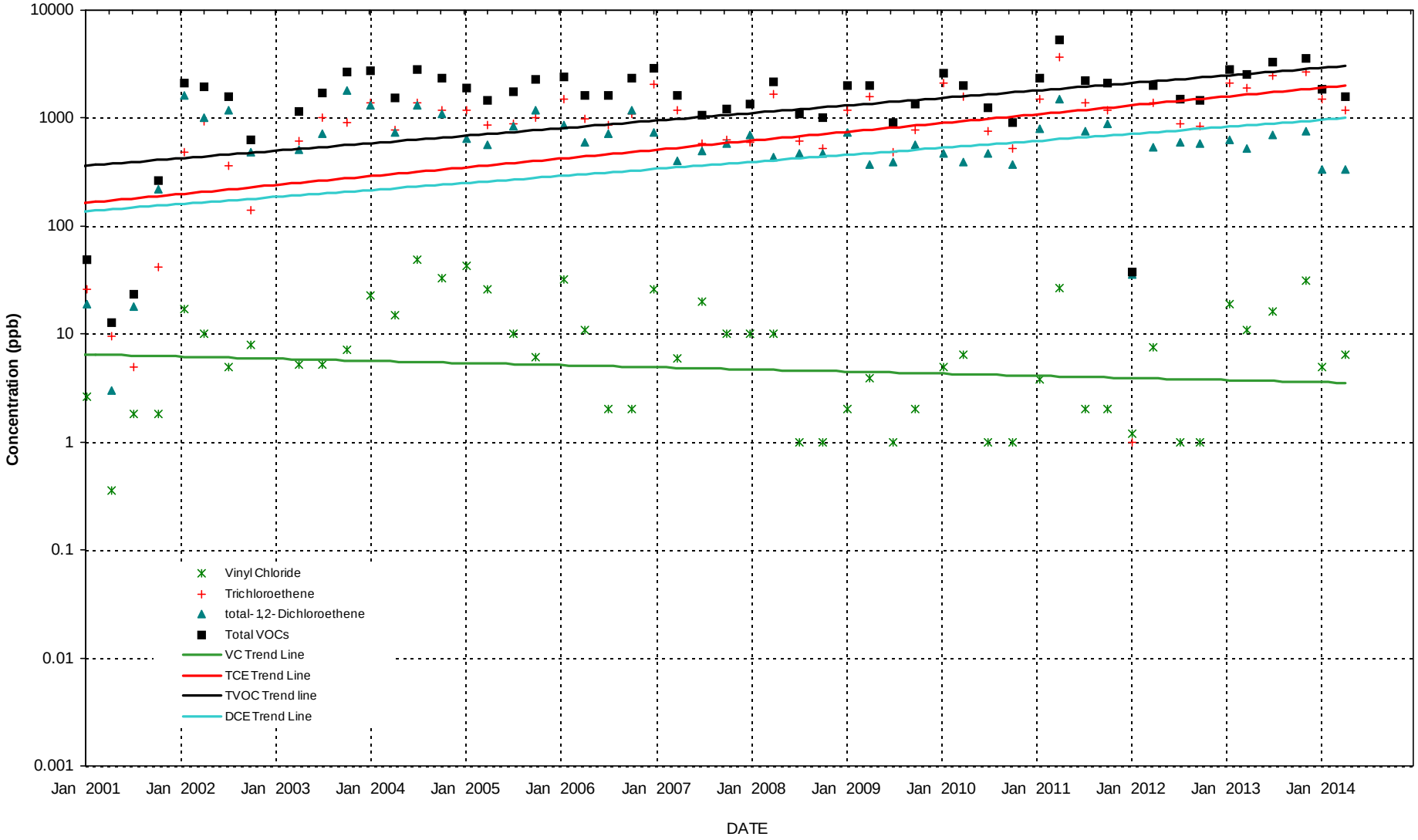
PARSONS

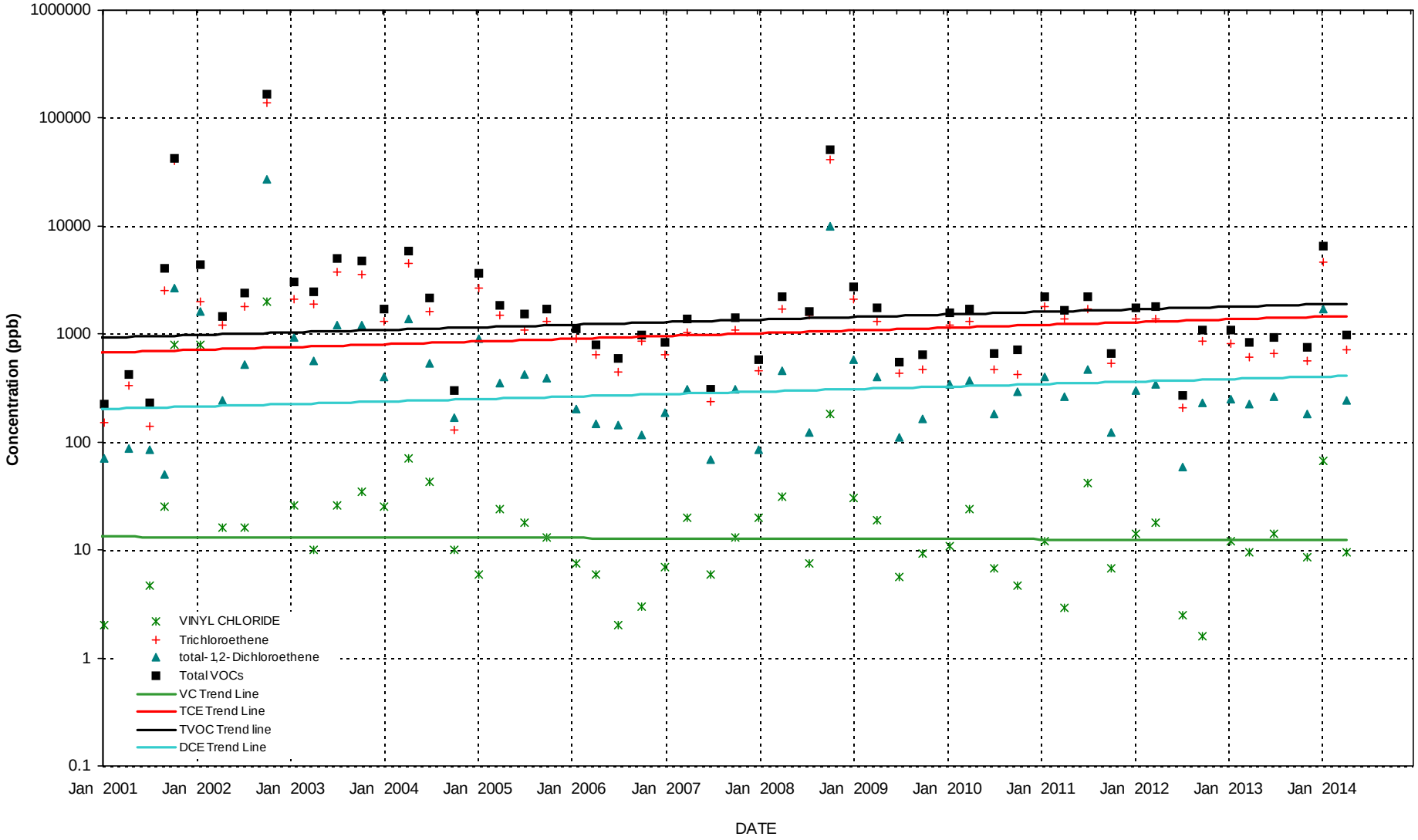
TREND ANALYSIS

Well P-4



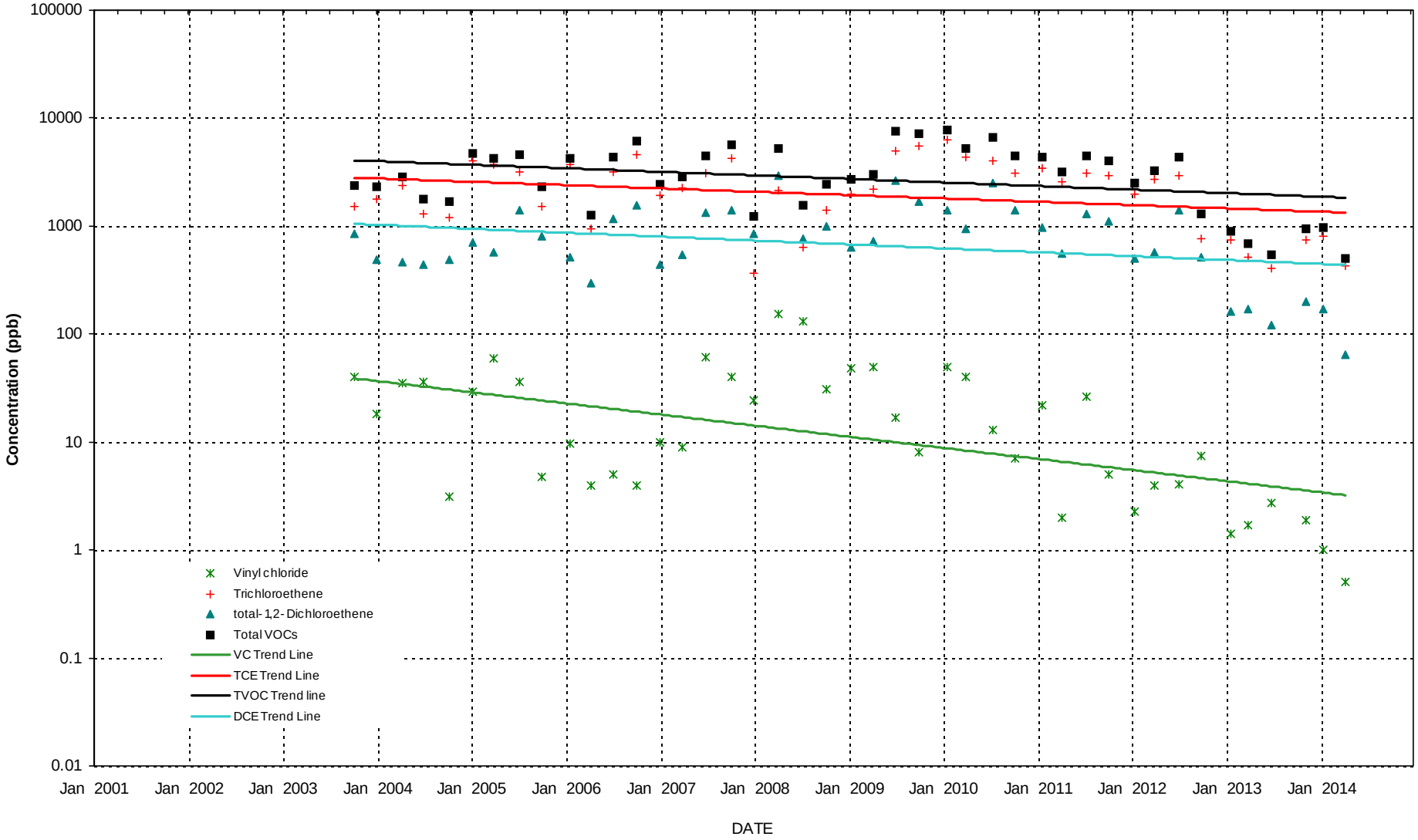
TREND ANALYSIS

Well PW-1



TREND ANALYSIS

Well PW-3



TREND ANALYSIS

Well PW-4