Chemical Pollution Control, LLC of New York

Groundwater Monitoring Program Report

September 2017 Sampling Event

Bay Shore Facility

December 2017

D&B Engineers and Architects, P.C.

Stericycle
Environmental Solutions

December 7, 2017

ELECTRONIC SUBMISSION
George Momberger, P.E., Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau E, Section A
625 Broadway, 12th Floor
Albany, NY 12233-7017

Re: Chemical Pollution Control, LLC of New York
Bay Shore, New York
EPA ID No. NYD082785429
NYSDEC Permit No. 1-4728-00086/00002

Dear Mr. Momberger:

Enclosed please find an electronic copy of the document entitled:

"Groundwater Monitoring Program Report
September 2017 Sampling Event
For Chemical Pollution Control, LLC of New York
Bay Shore, New York"

As indicated in the enclosed report, given the low concentrations of volatile organic compounds (VOCs) detected during the sampling event, Chemical Pollution Control, LLC of New York (CPC) believes that the groundwater treatment program performed at the site was successful in reducing VOC concentrations at the facility thereby satisfying the requirements of the Resource Conservation and Recovery Act (RCRA) closure and corrective action programs, and CPC's former Part 373 Permit. As a result, CPC is requesting that the New York State Department of Environmental Conservation (NYSDEC) discontinue the requirement to perform semiannual groundwater sampling at the site, reclassify or delist the site from the NYSDEC's Registry of Inactive Hazardous Waste Disposal Sites, and issue a Certificate of Completion for the site.

If you have any questions and/or comments regarding the enclosed information, please do not hesitate to contact me at (425) 227-6170.

Very truly yours,

Andy Maloy
Director of Environmental Liability

cc: B. Veith (D&B)

GROUNDWATER MONITORING PROGRAM REPORT
SEPTEMBER 2017 SAMPLING EVENT

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
BAY SHORE, NEW YORK

Prepared for:

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
BAY SHORE, NEW YORK

Prepared by:

D&B ENGINEERS AND ARCHITECTS, P.C.
WOODBURY, NEW YORK

DECEMBER 2017

GROUNDWATER MONITORING PROGRAM REPORT
SEPTEMBER 2017 SAMPLING EVENT
CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
BAY SHORE, NEW YORK

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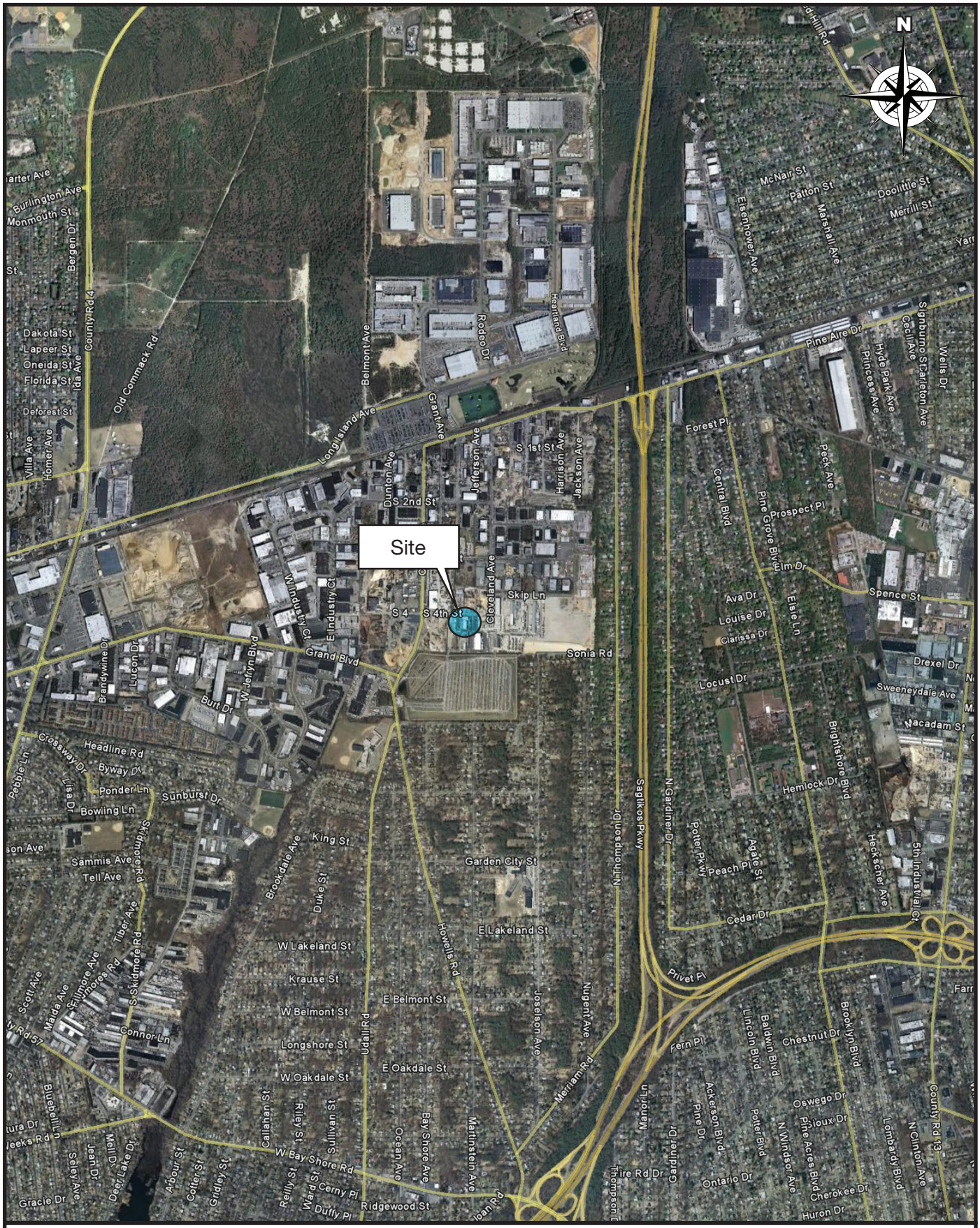
1.0 INTRODUCTION

This report presents the groundwater sample results for the September 2017 Sampling Event conducted as part of the New York State Department of Environmental Conservation (NYSDEC) required Groundwater Monitoring Program at the Chemical Pollution Control, LLC of New York (CPC) Bay Shore facility. The facility is located at 120 South Fourth Street in Bay Shore, Suffolk County, New York (see Figure 1-1).

The CPC Bay Shore facility was a commercial hazardous waste treatment, storage and disposal facility that accepted and managed a variety of hazardous and nonhazardous waste including acids, alkalis, flammables, cyanides, sulfides, oxidizers, toxic waste, oily waste, photochemical waste, laboratory packaged waste, universal waste and polychlorinated biphenyl (PCB) waste under its former Part 360/373 Permit (NYSDEC Permit No. 1-4728-00086/00002). Following closure of the facility and completion of the remediation described below, the CPC Bay Shore Part 360/373 Permit was allowed to expire in June 2015. In December 2015, the NYSDEC issued a Proposed Remedial Action Plan (PRAP) for the CPC Bay Shore facility. The PRAP proposed a "No Further Action" remedy for the facility, but also includes provisions for groundwater monitoring to evaluate the effectiveness of the remediation. This Groundwater Monitoring Report presents groundwater data collected as part of that evaluation of remediation effectiveness.

CPC closed all of the hazardous waste storage areas formerly located at the Bay Shore facility in accordance with the requirements of 6 NYCRR Part 373, and demolished and removed the facility building and support structures. As required by the NYSDEC and the facility's former Part 373 Permit, CPC implemented a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) in August and September 2010, with supplemental soil sampling completed in October 2010. The existing on-site groundwater monitoring wells were sampled by D&B during performance of the RFI in August 2010 and the results of that sampling were presented in the RFI Report dated November 2010. The analytical results of the groundwater sampling completed by D&B during the RFI serve as a baseline for groundwater monitoring.



D&B Engineers and Architects, P.C.

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
BAY SHORE, NEW YORK

SITE LOCATION MAP

FIGURE 1-1

Groundwater monitoring is being performed in order to monitor groundwater flow direction and quality emanating from the CPC Bay Shore facility. This Groundwater Monitoring Report includes a discussion of the sample locations, sampling procedures, laboratory analyses, field and analytical results, data validation, groundwater level measurements and flow direction. In addition, this report includes a comparison of the analytical results of the Groundwater Monitoring Program September 2017 Sampling Event to the applicable New York State groundwater quality standards and guidelines, as well as the results obtained during the previous sampling events.

It should be noted that, as part of the Interim Corrective Measures (ICM) program and subsurface RCRA closure program undertaken at the facility in December 2012 through July 2013, approximately 3,000 cubic yards of impacted soil were excavated and removed from the facility for proper off-site disposal. Included in this soil removal were areas of volatile organic compound (VOC) impacted soil formerly located upgradient of existing monitoring wells MW-03R and MW-04R and former monitoring wells MW-03, MW-04 and MW-09.

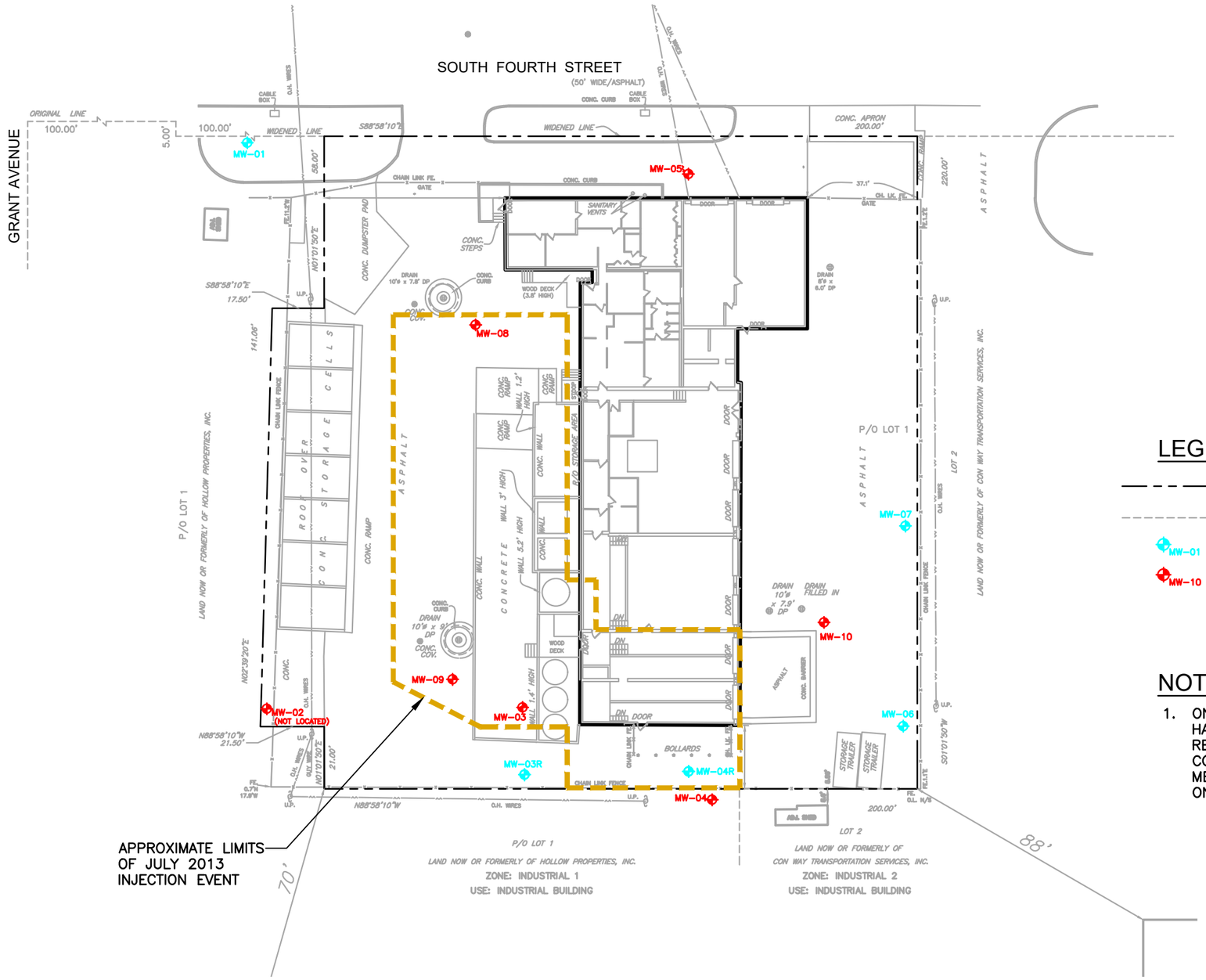
In July 2013, following the removal of impacted soil, an in-situ chemical oxidation (ISCO) injection program was performed at the facility to reduce the concentrations of certain chlorinated VOCs observed in groundwater during historical sampling events associated with the Groundwater Monitoring Program. During the injection program, approximately 19,974 gallons of a 2% sodium permanganate solution were injected at 80 locations at targeted horizons of 10 to 14 feet and 16 to 20 feet below grade. The injection activities were performed in the 10,100-square-foot area to the west of the former building (see Figure 2-1 of this report).

The NYSDEC requested that groundwater sampling be conducted at the facility quarterly for a period of one year to confirm that the corrective action and site restoration requirements for the facility were satisfied thereby precluding the need to perform ongoing groundwater monitoring at the facility in the future. This quarterly sampling was performed in September 2015, and January, April and June 2016. The September 2017 Sampling Event was the next time the wells were sampled after June 2016.

2.0 SAMPLING LOCATIONS

Five monitoring wells were sampled at the CPC Bay Shore facility as part of the Groundwater Monitoring Program September 2017 Sampling Event. These five wells are identified as monitoring wells MW-01, MW-03R, MW-04R, MW-06 and MW-07 as shown on Figure 2-1. Each monitoring well location indicated on Figure 2-1 includes a single monitoring well of varying depth and screened interval. Well construction information for each well sampled as part of this program is summarized in Table 2-1.

It should be noted that historically, 10 monitoring wells were located at the CPC Bay Shore facility (i.e., MW-01 through MW-10). As indicated in the RFI Report dated November 2010, groundwater monitoring well MW-02 could not be located and is considered destroyed. As a result, nine monitoring wells were historically sampled as part of the Groundwater Monitoring Program. However, as previously indicated, CPC has closed all of the hazardous waste storage areas formerly located at the facility in accordance with the requirements of 6 NYCRR Part 373, and has demolished and removed the former facility building and support structures. In order to facilitate performance of the corrective action, below grade Resource Conservation and Recovery Act (RCRA) closure and facility demolition project, former monitoring wells MW-03, MW-04, MW-05, MW-08, MW-09 and MW-10 were decommissioned and removed on September 24 and 25, 2012 in accordance with the NYSDEC's CP-43 ("Groundwater Monitoring Well Decommissioning Policy"). In addition, two new downgradient wells (i.e., MW-03R and MW-04R) were installed on August 2, 2012 to replace decommissioned downgradient wells MW-03 and MW-04. The location of each well currently and formerly located at the facility is shown on Figure 2-1 and each well's construction information is summarized on Table 2-1.



LEGEND:

- PROPERTY LINE
- ADJACENT LOT LINES
- MW-01 MONITORING WELL
- MW-10 DECOMMISSIONED MONITORING WELL

NOTE:

1. ON-SITE BUILDING AND STRUCTURES HAVE BEEN DEMOLISHED AND REMOVED AS PART OF THE COMPLETED INTERIM CORRECTIVE MEASURES WORK PLAN, AND ARE ONLY SHOWN FOR REFERENCE.

D&B ENGINEERS AND ARCHITECTS, P.C.

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM

MONITORING WELL LOCATIONS

SCALE: 1" = 40'

FIGURE 2-1

F:\2786\2786-P5\DWG\2786-P5- FIGURE 2-1.dwg, 12/6/2017 11:55:16 AM, kalesius

Table 2-1

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM
SUMMARY OF MONITORING WELL CONSTRUCTION DETAILS

Well Designation	Date Completed	Well Diameter (inches)	Screen Type	Total Depth (feet below land surface)	Screen Setting (feet below land surface)	Screen Setting (elevation relative to mean sea level)	Height of Measuring Point (feet relative to land surface)	Elevation of Measuring Point (feet above mean sea level)
Existing Monitoring Wells:								
MW-01	May 1987	4	PVC[(1)]	18	8 - 18	52.19 - 42.19	-0.30	59.89
MW-03R	August 2012	2	PVC	20	5 - 20	56.95 - 41.95	-0.22	61.73
MW-04R	August 2012	2	PVC	20	5 - 20	56.83 - 41.83	-0.25	61.58
MW-06	November 1994	4	PVC[(1)]	22	7 - 22	54.97 - 39.97	-0.56	61.41
MW-07	November 1994	4	PVC[(1)]	22	7 - 22	54.84 - 39.84	-0.40	61.44
Historical Monitoring Wells:								
MW-03	May 1987	4	PVC[(1)]	18	8 - 18	54.10 - 44.10	-0.95	61.15
MW-04	May 1987	4	PVC[(1)]	18	8 - 18	53.52 - 43.52	-0.91	60.61
MW-05	May 1987	4	PVC[(1)]	18	8 - 18	53.58 - 42.58	-0.45	61.13
MW-08	April 1997	2	PVC	30	5 - 30	55.91 - 30.91	-0.05	60.86
MW-09	April 1997	2	PVC	30	5 - 30	56.01 - 31.01	-0.18	60.83
MW-10	April 1997	2	PVC	30	5 - 30	56.01 - 31.01	-0.17	60.84

Notes:

PVC: Polyvinyl chloride.
(1) Assumed based upon available information.

(Sources: Arcadis Current Conditions Report, November 22, 2006; PSC Environmental Services, LLC Groundwater Monitoring Plan, January 8, 2010; D&B RFI and Focused CMS, November 2010; D&B Well Construction Logs, August 2, 2012).

3.0 SAMPLING PROCEDURES AND ANALYSES

The sampling procedures utilized for the collection of the groundwater samples were implemented in accordance with the protocols described in the NYSDEC-approved Groundwater Monitoring Plan (GWMP) dated January 2010. Dedicated and disposable sampling equipment was used whenever possible in accordance with the GWMP. Field decontamination of the non-disposable equipment was performed between sampling locations. The following sections provide a brief discussion of the procedures used during groundwater level measurements, groundwater sampling and sample analysis.

3.1 Groundwater Level Measurement Procedures

Synoptic water level measurements were obtained from the monitoring wells to determine the volume of standing water in each well for purging purposes, as well as for determining groundwater elevations and flow direction. Groundwater level measurements were obtained from a surveyed measuring point on each well using an electronic water level indicator to an accuracy of 0.01 foot. Prior to measuring the water level, each well was allowed to vent to the atmosphere for approximately two minutes.

All monitoring wells were checked for the presence of light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) using an oil/water interface probe. In addition, headspace readings were recorded in each well using a calibrated photoionization detector (PID). The Field Observation Logs presented in Appendix B-1 and Table 4-1 provide the headspace readings collected during the sampling program. A discussion of the groundwater level measurements, LNAPL/DNAPL results and groundwater flow direction is provided in Section 6.0 of this report.

In addition, prior to sampling each well, D&B performed a visual inspection to verify the physical condition of the well at the ground surface. The results of these inspections are documented on the Well Condition Reports provided in Appendix B-3. Based upon D&B's inspection, the monitoring wells were determined to be suitable for sampling purposes.

3.2 Sampling Procedures

The monitoring wells were sampled via low-flow sampling techniques (500 ml/min or less) utilizing a low-flow bladder pump with disposable tubing to purge and sample each well. During the well purging process, field measurements of pH, temperature, specific conductivity, oxidation-reduction potential (ORP), dissolved oxygen and turbidity were recorded using a calibrated Horiba U52 water quality meter with flow-through cell. Groundwater samples were collected in precleaned, laboratory-supplied sample containers after the field parameter values had stabilized as required by the GWMP. The sample containers were labeled and placed in a cooler with bagged ice sufficient to cool the samples to 4 degrees Celsius.

All non-dedicated sampling equipment (e.g., low-flow bladder pump) was properly decontaminated between sampling locations and all disposable sampling equipment was properly disposed following its one-time use. All decontamination water was containerized and disposed off-site and all purge water was discharged to ground surface in the vicinity of each well.

All appropriate quality assurance/quality control (QA/QC) samples were collected in accordance with the GWMP, including one field blank, one matrix spike/matrix spike duplicate (MS/MSD), one blind duplicate and one trip blank.

The analytical results of the samples are provided in Appendix A and discussed in Section 4.0 of this report. Field forms for the September 2017 Sampling Event, including field observation logs and daily equipment calibration logs, are provided in Appendices B-1 and B-2, respectively, and Chain of Custody forms are provided in Appendix C.

3.3 Sample Analyses

In accordance with the GWMP, each groundwater sample was analyzed for Target Compound List (TCL) volatile organic compounds (VOCs) by United States Environmental Protection Agency (USEPA) SW-846 Method 8260, TCL semivolatile organic compounds (SVOCs) by USEPA SW-846 Method 8270 and priority pollutant metals by USEPA SW-846

Method 6010C/7470A. However, in order to support the groundwater remediation activities and consistent with the NYSDEC's approval of the January 2012 Interim Corrective Measures Work Plan, the list of metals utilized for the June 2016 Sampling Event was expanded to include Target Analyte List (TAL) metals. In addition, each groundwater sample was analyzed for alkalinity by USEPA SW-846 Method SM 2320.

4.0 ANALYTICAL RESULTS

4.1 Field Parameters

Table 4-1 provides a summary of the final field parameter values and field data measured for the September 2017 Sampling Event.

4.2 Monitoring Wells

As indicated previously, existing monitoring wells MW-01, MW-03R, MW-04R, MW-06 and MW-07 were sampled during the September 2017 Sampling Event for laboratory analysis for TCL VOCs, TCL SVOCs, TAL metals and alkalinity.

The analytical results of the groundwater samples collected from the monitoring wells, compared to the previous sampling results and the NYSDEC's Class GA Groundwater Standards and Guidance Values, are provided in Appendix A. Figure 4-1 presents a groundwater sample location map overlain with a summary of the groundwater data for the wells where exceedances of the Class GA Groundwater Standards/Guidance Values were detected during the September 2017 Sampling Event. Provided below is a brief summary of the analytical results.

Volatile Organic Compounds

The results of the VOC analyses performed on the groundwater samples are presented in Appendix A-1. All of the VOCs analyzed for were either not detected or were detected at concentrations below their respective Class GA Groundwater Standard/Guidance Value.

VOCs historically detected at the site at concentrations exceeding the Class GA Groundwater Standards/Guidance Values consisted of chlorinated VOCs (CVOCs). Table 4-2 summarizes the total VOC concentrations for MW-03, MW-03R, MW-04, MW-04R, MW-06, MW-09 and MW-10, which are the seven monitoring wells located at the facility that have historically exhibited CVOC concentrations exceeding the Class GA Groundwater Standards

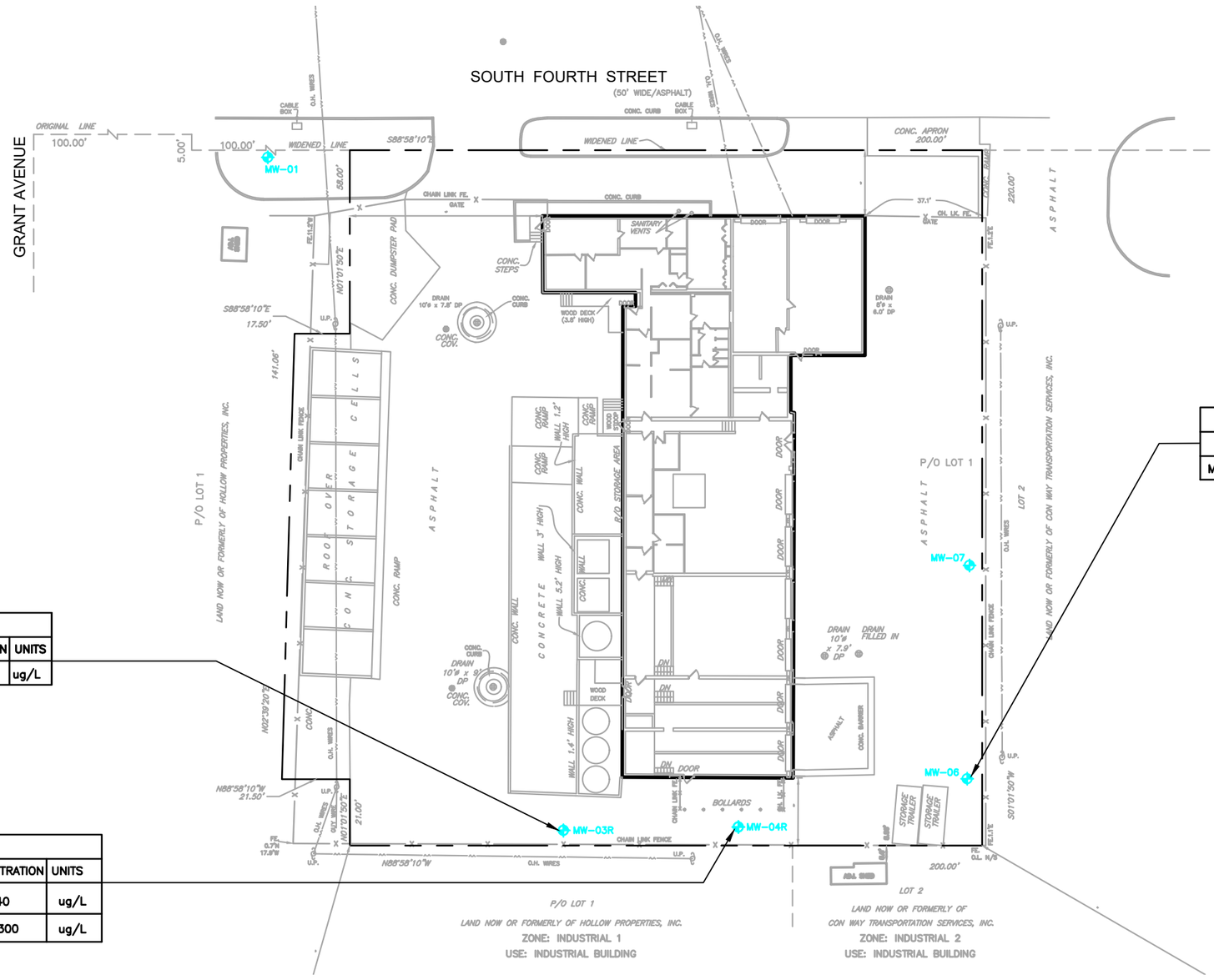
Table 4-1

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM
SEPTEMBER 2017 SAMPLING EVENT
SUMMARY OF FINAL FIELD PARAMETER RESULTS AND FIELD DATA

Monitoring Well	pH (Standard Units)	Temperature (°C)	Specific Conductance (ms/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mV)	PID Readings (ppm)	Purging Method	Groundwater Elevation June 28, 2016 (feet above msl)
MW-01	6.70	19.93	0.247	0	5.81	221	1.5	Low-flow bladder pump	47.89
MW-03R	6.15	17.92	0.433	0	4.00	153	0.0	Low-flow bladder pump	47.53
MW-04R	6.62	18.63	0.485	0	7.61	155	0.0	Low-flow bladder pump	47.43
MW-06	6.78	17.09	0.341	0	4.83	-6	0.0	Low-flow bladder pump	47.34
MW-07	6.95	18.04	0.279	0	5.22	294	0.0	Low-flow bladder pump	47.43

Monitoring Well	Initial Depth to Water (in feet)	Depth of Well (in feet)	Well Diameter (inches)	Volume of Water Purged (gallons)	Date of Sampling	Time of Sampling	Sampler's Initials	Weather Condition
MW-01	12.00	17.10	4	5	September 26, 2017	2:00 p.m.	KR	Cloudy, 70-75ºF
MW-03R	14.20	20.00	2	4.5	September 26, 2017	9:00 a.m.	KR	Cloudy, 70-75ºF
MW-04R	14.15	20.00	2	4.6	September 26, 2017	10:00 a.m.	KR	Cloudy, 70-75ºF
MW-06	14.07	21.70	4	8	September 26, 2017	11:40 a.m.	KR	Cloudy, 70-75ºF
MW-07	14.01	21.50	4	7	September 26, 2017	1:05 p.m.	KR	Cloudy, 70-75ºF

°C: Degrees Celsius
DO: Dissolved oxygen
mg/l: Milligrams per liter
msl: Mean sea level
ms/cm: Millisiemens per centimeter
NA: Erroneous reading
mV: Millivolt
NTU: Nephelometric Turbidity Unit
ORP: Oxidation Reduction Potential
PID: Photoionization detector
ppm: Parts per million



MW–03R				
	CONSTITUENT	SCG	CONCENTRATION	UNITS
METALS	SODIUM	20,000 ST	88,000	ug/L

MW–04R				
	CONSTITUENT	SCG	CONCENTRATION	UNITS
METALS	IRON	300 ST	340	ug/L
	SODIUM	20,000 ST	92,300	ug/L

MW–06				
	CONSTITUENT	SCG	CONCENTRATION	UNITS
METALS	SODIUM	20,000 ST	42,600	ug/L

LEGEND:

- PROPERTY LINE
- ADJACENT LOT LINES
- MW-1 MONITORING WELL

NOTES:

1. VOCs – VOLATILE ORGANIC COMPOUNDS
2. SCG – TECHNICAL AND OPERATIONAL GUIDANCE SERIES (TOGS) 1.1.1 AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES
3. ST – STANDARD
4. GV – GUIDANCE VALUE
5. ONLY EXCEEDANCES OF THE SCG ARE SHOWN
6. ON–SITE BUILDING AND STRUCTURES HAVE BEEN DEMOLISHED AND REMOVED AS PART OF THE COMPLETED INTERIM CORRECTIVE MEASURE WORK PLAN, AND ARE ONLY SHOWN FOR REFERENCE.

D&B ENGINEERS AND ARCHITECTS, P.C.

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM

SUMMARY OF GROUNDWATER EXCEEDANCES
SEPTEMBER 2017 SAMPLING EVENT

SCALE: 1" = 40'

FIGURE 4-1

F:\2786\2786-P5\DWG\2786-P5-FIG 4-1-SEPT 2017.dwg, 12/5/2017 11:15:52 AM, kalesius

Table 4-2

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM
SEPTEMBER 2017 SAMPLING EVENT
SUMMARY OF TOTAL VOCs

Monitoring Well	August 2010	April 2011	Sept. 2011	April 2012	Sept. 2012	April 2013	Sept. 2013	April 2014	Sept. 2014	Jan. 2015	April 2015	Sept. 2015	Jan. 2016	April 2016	June 2016	Sept. 2017
MW-01	ND	ND	ND	ND	ND	ND	1.4	ND	2.8	ND	ND	ND	ND	ND	ND	ND
MW-03	95.7	19	52.8	28.7	9.6	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.
MW-03R	--	--	--	--	7.3	30.2	8.2	8.5	9.9	21.38	10.1	2.6	7.9	9.9	2.2	4.65
MW-04	646.4	104.5	284.8	22.1	98	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.
MW-04R	--	--	--	--	180	106.5	50.01	3.3	4.1	3.5	2.9	ND	4.5	ND	1.6	0.74
MW-06	ND	3.9	7.9	2.9	5.9	9.21	22.9	ND	ND	1.4	ND	ND	ND	ND	ND	ND
MW-07	1.2	ND	ND	ND	ND	2.9	3.72	4.7	13	2.9	ND	ND	ND	ND	ND	ND
MW-09	68.5	26.8	41.8	6.1	6.2	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.
MW-10	2.9	1.0	19.3	5.3	4.48	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.	decom.

Notes:
Results are reported in ug/l.
-- : Well not sampled since it was not installed until August 2012.
decom.: Well decommissioned in late September 2012.
ND: Not detected.

since the August 2010 Sampling Event. As indicated in Table 4-2, the total VOC concentrations detected in September 2017 were fairly consistent but slightly higher in MW-03R and lower in MW-04R as compared to the results of the June 2016 Sampling Event. These concentrations are well below those detected prior to the ISCO injections.

Semivolatile Organic Compounds

The results of the SVOC analyses performed on the groundwater samples are presented in Appendix A-2. All of the SVOCs analyzed for were not detected.

Target Analyte List Metals and Alkalinity

The results of the TAL metal and alkalinity analyses performed on the groundwater samples are presented in Appendix A-3. All of the metals analyzed for were either not detected or were detected at concentrations below their respective Class GA Groundwater Standard/ Guidance Value, with the exception of the following:

- Iron was detected at a concentration of 340 ug/l in monitoring well MW-04R, which exceeds the Class GA Groundwater Standard of 300 ug/l.
- Sodium was detected at concentrations of 88,600 ug/l, 92,300 ug/l and 42,600 ug/l in monitoring wells MW-03R, MW-04R and MW-06, respectively, which exceed the Class GA Groundwater Standard of 20,000 ug/l.

Alkalinity ranged in concentration from 103 mg/l in monitoring wells MW-01 to a maximum of 128 mg/l in monitoring well MW-07. There is no Class GA Groundwater Standard or Guidance Value for alkalinity.

5.0 DATA VALIDATION

Five groundwater samples, one blind duplicate, one matrix spike/matrix spike duplicate (MS/MSD) set, one field blank and one trip blank were collected as part of the September 2017 Sampling Event performed at the CPC Bay Shore facility. All samples were analyzed for Target Compound List (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), Target Analyte List (TAL) metals and alkalinity. Sample analysis was performed in accordance with SW-846 methods. The laboratory analyses were performed by Eurofins Spectrum Analytical, Inc. of Agawam, Massachusetts, a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) laboratory, and reported in data package SC39685.

The data package submitted by the analytical laboratory was validated in accordance with NYSDEC quality assurance/quality control (QA/QC) requirements, the contract requirements and the Groundwater Monitoring Plan dated January 2010. A copy of the Data Validation Checklist is provided in Appendix D. All samples were analyzed within the method specified holding times except noted below. The following requirements were outside limits and required qualification of the data:

- The percent recoveries (%Rs) for 2,2-dichloropropane and iodomethane were below the quality control (QC) limit in the laboratory control sample (LCS). As a result, 2,2-dichloropropane and iodomethane were qualified as an estimated detection limit (UJ) in all samples.
- The %Rs were below the QC limits for bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, 2,4-dinitrophenol and phenol in the LCS, LCS duplicate, matrix spike (MS) and/or Matrix Spike Duplicate (MSD). As a result, bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, bis(2-chloroisopropyl) ether, 2,4-dinitrophenol and phenol were qualified as an estimated detection limit (UJ) in all samples.

One blind duplicate sample was collected from well MW-03R. In addition, one matrix spike/matrix spike duplicate set was collected from well MW-04R.

No other issues were found with the sample results and all results are deemed valid and usable for environmental assessment purposes as qualified above. Data Validation Forms completed for the September 2017 Sampling Event are provided in Appendix D.

6.0 GROUNDWATER LEVEL MEASUREMENTS AND FLOW DIRECTION

Groundwater level measurements were obtained by D&B on September 26, 2017 from the five monitoring wells located at the CPC Bay Shore facility. The results of these measurements are presented in Table 6-1. Light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) were not detected or observed in any of the monitoring wells during this sampling event. The following section provides information on the groundwater contours derived from the groundwater level measurements.

6.1 Water Table Contours

A water table elevation contour map prepared from the measurements obtained on September 26, 2017 is presented as Figure 6-1. The wells utilized in the preparation of the contour map are screened at or near the water table in the Upper Glacial aquifer.

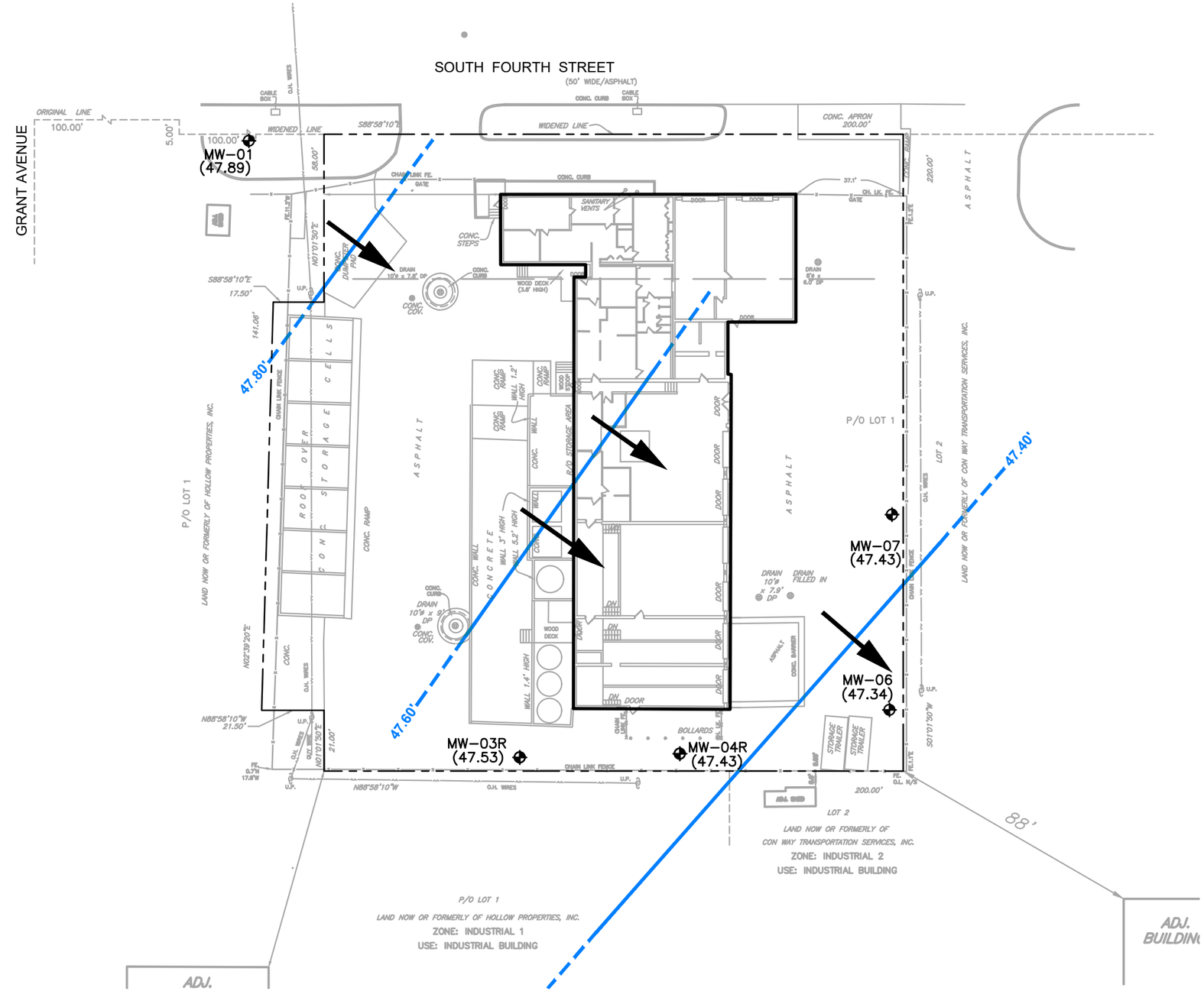
Based on a review of the groundwater level elevation data collected from the monitoring wells, the direction of the horizontal component of groundwater flow in the Upper Glacial aquifer is predominantly southeast, which is consistent with flow conditions previously mapped. In addition, the groundwater flow velocity was calculated utilizing Darcy's Law to be approximately 1.6 feet per day (see Table 6-2).

Table 6-1

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM
MONITORING WELL GROUNDWATER ELEVATION MEASUREMENTS
SEPTEMBER 26, 2017

Well Designation	Measuring Point Elevation (feet above msl)	Depth to Water from Measuring Point (feet)	Groundwater Elevation (feet above msl)
MW-01	59.89	12.00	47.89
MW-03R	61.73	14.20	47.53
MW-04R	61.58	14.15	47.43
MW-06	61.41	14.07	47.34
MW-07	61.44	14.01	47.43

Note: LNAPL/DNAPL was not detected in any of the monitoring wells during the sampling event.



LEGEND:

- PROPERTY LINE
- ADJACENT LOT LINES
- MW-01 (47.89) — LOCATION AND DESIGNATION OF MONITORING WELL AND GROUNDWATER ELEVATION ABOVE MEAN SEA LEVEL (MSL)
- 47.50' — LINE OF EQUAL GROUNDWATER ELEVATION IN FEET ABOVE MSL
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW

NOTES:

1. CONTOUR INTERVAL EQUALS 0.20 FEET
2. ON-SITE BUILDING AND STRUCTURES HAVE BEEN DEMOLISHED AND REMOVED AS PART OF THE COMPLETED INTERIM CORRECTIVE MEASURES WORK PLAN, AND ARE ONLY SHOWN FOR REFERENCE.

D&B ENGINEERS AND ARCHITECTS, P.C.

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM

WATER TABLE CONTOUR MAP
SEPTEMBER 26, 2017

SCALE: 1" = 40'

FIGURE 6-1

F:\2786\2786-P5\DWG\2786-P5- FIGURE 6-1-SEPT 2017.dwg, 12/6/2017 12:30:26 PM, kalesius

Table 6-2

CHEMICAL POLLUTION CONTROL, LLC OF NEW YORK
GROUNDWATER MONITORING PROGRAM
SEPTEMBER 2017 SAMPLING EVENT

Calculation of Groundwater Flow Velocity

1. Darcy's Law:

$$V = Ki/n$$

Where:

V = calculated groundwater velocity
K = hydraulic conductivity
i = hydraulic gradient
n = effective porosity

K =	0.1	cm/sec	(typical value for well sorted sands and glacial outwash)
n =	32	%	(typical value for medium sands)

2. Hydraulic Gradient Calculation

To calculate hydraulic gradient, the change in water table elevation was determined using water level measurements taken from MW-01 and MW-04R:

MW-01 GW El =	47.89	feet above mean sea level (amsl)
MW-04R GW El =	47.43	feet amsl
Distance between MW-01 and MW-04R =	260	feet

i = 0.00177 ft/ft

3. Groundwater Velocity Calculation:

$$V = Ki/n$$

V = **1.6** ft/day

7.0 CONCLUSIONS AND RECOMMENDATIONS

The following sections present the conclusions and recommendations of the Groundwater Monitoring Program based on the September 2017 Sampling Event.

7.1 Conclusions

Groundwater Flow

Based on the groundwater elevation measurements obtained during the September 2017 Sampling Event and the water table elevation contour map prepared for the site, groundwater flow is predominantly in a southeasterly direction. These results are consistent with previous elevation measurements obtained and maps prepared for the site.

Monitoring Wells

Based on a comparison of the June 2016 and September 2017 sample results, total VOC concentrations detected during the September 2017 Sampling Event were fairly consistent but slightly higher in MW-03R and lower in MW-04R as compared to the results of the June 2016 Sampling Event. None of the VOC concentrations detected during the September 2017 Sampling Event exceed the Class GA Groundwater Standards. The trend continues of Total VOCs being well below those concentrations detected prior to the ISCO injections.

SVOCs were not detected during the September 2017 Sampling Event.

Iron was detected in one sample and sodium was detected in three samples at concentrations above their respective Class GA Groundwater Standards. Typically, these metals are naturally elevated in Long Island groundwater and have historically been observed in the facility's groundwater samples. In addition, these metals were not detected at concentrations above the Unrestricted Use Soil Cleanup Objectives (SCOs) in the soil samples collected and analyzed during the completion of the RFI. Therefore, it appears that the concentrations of these

metals in groundwater are not a result of these metals leaching from soil but rather a result of natural conditions.

None of the remaining metals were detected at concentrations exceeding their respective Class GA Groundwater Standard or Guidance Value.

Historically, groundwater in the vicinity of MW-04 and MW-04R had exhibited the highest concentrations of VOCs at the facility. It appears the removal of VOC-impacted soil formerly located hydraulically upgradient of this location coupled with the ISCO program has significantly reduced the VOC impact observed in this location. Total VOCs were non-detect in 3 of the 5 wells sampled in September 2017 and the VOC concentrations detected in the two remaining wells were well below the Class GA Groundwater Standards. Based on the above, it appears that the remediation activities were successful in not only reducing soil concentrations, but also reducing the VOC impact to groundwater quality.

7.2 Recommendations

As indicated previously and as requested by the NYSDEC, CPC completed sampling the monitoring wells located at its Bay Shore facility quarterly for one year. The first sampling event of the one-year quarterly sampling period was the September 2015 Sampling Event, with the January 2016 Sampling Event, the April 2016 Sampling Event and the June 2016 Sampling Event representing the second, third and fourth sampling events, respectively. During this time and as observed during the semiannual groundwater sampling performed previous to this period, Total VOC concentrations were observed to vary seasonally with higher concentrations observed in the Spring and lower concentrations observed in the Fall. The results of the June 2016 Sampling event did not indicate any VOC concentrations exceeding their respective Class GA Groundwater Standard. As indicated previously, the trend continues of Total VOCs being well below those concentrations detected prior to the ISCO injections.

The results of the September 2017 Sampling Event also confirm VOC concentrations below the Class GA Groundwater Standards.

Given the low concentrations of VOCs detected during the sampling events, CPC believes that the groundwater treatment program performed at the site was successful in reducing VOC concentrations at the facility thereby satisfying the requirements of the RCRA closure and corrective action programs, and CPC's former Part 373 Permit. As a result, CPC requests that the NYSDEC discontinue the requirement to perform semiannual groundwater sampling at the site, reclassify or delist the site from the NYSDEC's Registry of Inactive Hazardous Waste Disposal Sites, and issue a Certificate of Completion for the site.

APPENDIX A-1

MONITORING WELL SAMPLE RESULTS
VOLATILE ORGANIC COMPOUNDS

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/7/12	4/5/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	U	U	U	U	U	U	UJ	UJ	U	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.4
Cymene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	MW-1	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/7/12	4/5/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	U	U	U	UJ	U	U	U	U	U	U	UJ	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	5	10
n-Butylbenzene	U	U	U	U	U	UJ	U	U	UJ	U	U	U	UJ	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
tert-Butyl Methyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	U	U	U	U	U	U	1.4 J	U	U	U	U	U	U	U	U	U	5	5
Trichlorofluoromethane	U	U	U	U	U	U	U	U	2.7 J	U	U	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Total Volatile Organic Compounds	0	0	0	0	0	0	1.4	0	2.7	0	0	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-03	MW-03	MW-03	MW-03	MW-03	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,1-Trichloroethane	**6.5**	U	0.56 J	0.63 J	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	5	50
2-Hexanone	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U*	U	U	5	5
Acetone	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	5	50
Bromoform	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	UJ	U	5	5
Carbon Disulfide	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	5	5
Chloroethane	U	U	U	U	U	5	5
Chloroform	U	U	4.2 J	4.2 J	U	5	7
Chloromethane	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	**25**	1.1 J	**8.1**	3.9 J	1.4 J	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Cymene	U	U	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-03	MW-03	MW-03	MW-03	MW-03	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Ethylbenzene	U	U	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	5	10
n-Butylbenzene	U	U	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	5	5
Styrene	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	5	5
tert-Butyl Methyl Ethe	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	4.2 J	**11**	**18**	5 J	U	5	5
Toluene	U	U	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	**60**	**6.9**	**22**	**15**	**8.2**	5	5
Trichlorofluoromethane	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	5	5
Total Volatile Organic Compounds	95.7	19	52.86	28.73	9.6	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
bold : Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-03R	MW-03R	MW-03R	MW-03R	MW-03R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	9/6/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
2,2-Dichloropropane	UJ	U	U	U	U	U	U	UJ	UJ	U	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Acetone	U	U	U	U	U	19	U	U	U	U	U	U	5	50
Benzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chloroform	U	1.3 J	U	U	U	U	U	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	1.2 J	1.9 J	1.0 J	U	U	U	U	U	U	U	U	U	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.4
Cymene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Dibromomethane	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-03R	MW-03R	MW-03R	MW-03R	MW-03R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	9/6/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Ethylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	U	UJ	UJ	U	U	U	U	U	U	UJ	5	5
Isopropylbenzene (Cumene)	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	1.4 J	U	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Naphthalene	U	U	U	U	U	U	U	U	U	U	U	U	5	10
n-Butylbenzene	U	UJ	U	U	UJ	U	U	U	UJ	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
tert-Butyl Methyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	**15 J**	1.6 J	**6.5**	4.7 J	0.98 J	**7.8**	2.6 J	**6.6**	**9.9**	1.1 J	4.28	5	5
Toluene	U	U	U	U	U	U	U	U	UJ	U	U	0.37 J	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	**6.1**	**12**	**5.6**	2 J	**5.2**	U	2.3 J	U	1.3 J	U	1.1 J	U	5	5
Trichlorofluoromethane	U	U	U	U	UJ	U	U	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	UJ	U	U	U	U	U	U	U	5	2
Xylenes, Total	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Total Volatile Organic Compounds	7.3	30.2	8.2	8.5	9.9	21.38	10.1	2.6	7.9	9.9	2.2	4.65	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
bold : Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-04	MW-04	MW-04	MW-04	MW-04	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/13/12	9/7/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,1-Trichloroethane	2.9 J	U	2.2 J	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	5	50
2-Hexanone	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	5	5
Acetone	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	5	50
Bromoform	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	UJ	U	5	5
Carbon Disulfide	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	5	5
Chloroethane	U	U	U	U	U	5	5
Chloroform	U	U	0.65 J	0.6 J	U	5	7
Chloromethane	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	**350 D**	**45**	**120**	**9.7**	**40**	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Cymene	U	U	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-04	MW-04	MW-04	MW-04	MW-04	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/13/12	9/7/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Ethylbenzene	U	U	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	5	10
n-Butylbenzene	U	U	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	5	5
Styrene	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	5	5
tert-Butyl Methyl Ethe	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	**12**	**5.5**	**12**	0.82 J	U	5	5
Toluene	U	U	U	U	U	5	5
trans-1,2-Dichloroethene	1.5 J	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	**280 D**	**54**	**150**	**11**	**58**	5	5
Trichlorofluoromethane	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	5	5
Total Volatile Organic Compounds	646.4	104.5	284.85	22.12	98	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-04R	MW-04R	MW-04R	MW-04R	MW-04R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,1,1-Trichloroethane	U	U	0.51 J	U	U	U	U	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
1,2,4-Trimethylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
2,2-Dichloropropane	UJ	U	U	U	U	U	U	UJ	UJ	U	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Benzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Bromomethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chloroform	5.6	1.8 J	1.0 J	U	U	U	U	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	**70**	**41**	**17**	U	U	U	U	U	U	U	U	U	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.4
Cymene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Dibromomethane	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-04R	MW-04R	MW-04R	MW-04R	MW-04R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS/ GUIDANCE VALUES (ug/l)
Date Collected	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Ethylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	U	UJ	UJ	U	U	U	U	U	U	UJ	5	5
Isopropylbenzene (Cumene)	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Naphthalene	U	U	U	U	U	U	U	U	U	U	U	U	5	10
n-Butylbenzene	U	UJ	U	U	UJ	U	U	U	UJ	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
tert-Butyl Methyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	**6.4**	4.7 J	2.5 J	1.3 J	U	1.3 J	U	U	1.5 J	U	U	U	5	5
Toluene	U	U	U	U	U	U	U	U	UJ	U	U	0.4 J	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	**98**	**59**	**29**	2 J	4.1 J	2.2 J	2.9 J	U	3 J	U	1.6 J	U	5	5
Trichlorofluoromethane	U	U	U	U	UJ	U	U	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	UJ	U	U	U	U	U	U	U	5	2
Xylenes, Total	U	UJ	U	U	U	U	U	U	UJ	U	U	0.34 J	5	5
Total Volatile Organic Compounds	180	106.5	50.01	3.3	4.1	3.5	2.9	0	4.5	0	1.6	0.74	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
bold : Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-05	MW-05	MW-05	MW-05	MW-05	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/5/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	5	50
2-Hexanone	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	5	5
Acetone	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	5	50
Bromoform	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	U	U	5	5
Carbon Disulfide	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	5	5
Chloroethane	U	U	U	U	U	5	5
Chloroform	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	U	U	U	U	U	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Cymene	U	U	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-05	MW-05	MW-05	MW-05	MW-05	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/5/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Ethylbenzene	U	U	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	5	10
n-Butylbenzene	U	U	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	5	5
Styrene	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	5	5
tert-Butyl Methyl Ethe	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	U	U	U	U	5	5
Toluene	U	U	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	U	U	U	U	U	5	5
Trichlorofluoromethane	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	5	5
Total Volatile Organic Compounds	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloroethene	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	U	U	U	U	U	U	UJ	UJ	U	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	UJ	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Carbon Disulfide	U	U	U	U*	U	U	U	U	U	U	U	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	U	1.7 J	3.5 J	1.1 J	2.7 J	3.8 J	**9.4**	U	U	U	U	U	U	U	U	U	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.4
Cymene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	U	U	UJ	UJ	U	U	U	U	U	U	UJ	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	5	10
n-Butylbenzene	U	U	U	U	U	UJ	U	U	UJ	U	U	U	UJ	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
tert-Butyl Methyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	U	U	U	U	0.8 J	1.5 J	U	U	U	U	U	U	U	U	U	5	5
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	U	2.2 J	4.4 J	1.8 J	3.2 J	4.6 J	**12**	U	U	1.4 J	U	U	U	U	U	U	5	5
Trichlorofluoromethane	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Total Volatile Organic Compounds	0	3.9	7.9	2.9	5.9	9.2	23	0	0	1.4	0	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloroethene	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
1,4-Dichlorobenzene	1.2 J	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	U	U	U	U	U	U	UJ	UJ	U	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
2-Hexanone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Acetone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	50
Bromoform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Carbon Disulfide	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Chloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
Chloroform	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	U	U	U	U	U	U	0.5 J	U	U	U	U	U	U	U	U	U	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	0.4
Cymene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Ethylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	U	U	UJ	UJ	U	U	U	U	U	U	UJ	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	U	5	10
n-Butylbenzene	U	U	U	U	U	UJ	U	U	UJ	U	U	U	UJ	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
Styrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
tert-Butyl Methyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	U	U	U	U	1.1 J	0.7 J	U	U	U	U	U	U	U	U	U	5	5
Toluene	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	U	U	U	U	U	1.8 J	2.5 J	U	U	U	U	U	U	U	U	U	5	5
Trichlorofluoromethane	U	U	U	U	U	U	U	4.7 J	**13 J**	2.9 J	U	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	U	U	U	UJ	U	U	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	5	5
Total Volatile Organic Compounds	1.2	0	0	0	0	2.9	3.7	4.7	13	2.9	0	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-08	MW-08	MW-08	MW-08	MW-08	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/28/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	5	5
1,2,4-Trimethylbenzene	U	U	3 J	UJ	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	1.1 J	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	5	50
2-Hexanone	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	5	5
Acetone	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	5	50
Bromoform	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	UJ	U	5	5
Carbon Disulfide	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	5	5
Chloroethane	U	U	U	U	U	5	5
Chloroform	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	U	4.8 J	0.79 J	0.94 J	**5.3**	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Cymene	U	U	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-08	MW-08	MW-08	MW-08	MW-08	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/28/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Ethylbenzene	U	U	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	5	5
m&p-Xylene	U	U	1.4 J	U	U	5	5
Naphthalene	U	U	0.98 J	UJ	U	5	10
n-Butylbenzene	U	U	0.67 J	U	U	5	5
n-Propylbenzene	U	U	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	5	5
Styrene	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	5	5
tert-Butyl Methyl Ethe	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	U	U	U	U	5	5
Toluene	U	U	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	1.1 J	**6.7**	0.93 J	1.2 J	**6.2**	5	5
Trichlorofluoromethane	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	5	2
Xylenes, Total	U	U	1.4 J	U	U	5	5
Total Volatile Organic Compounds	1.1	11.5	10.27	2.14	11.5	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
bold : Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-09	MW-09	MW-09	MW-09	MW-09	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,1-Trichloroethane	2.4 J	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	UJ	5	5
2-Chlorotoluene	U	U	U	U	U	5	50
2-Hexanone	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U*	U	U	5	5
Acetone	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	5	50
Bromoform	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	UJ	U	5	5
Carbon Disulfide	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	5	5
Chloroethane	U	U	U	U	U	5	5
Chloroform	U	U	7	1.6 J	U	5	7
Chloromethane	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	**13**	3.7 J	3.8 J	0.68 J	1.2 J	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Cymene	U	U	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-09	MW-09	MW-09	MW-09	MW-09	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Ethylbenzene	U	U	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	5	10
n-Butylbenzene	U	U	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	5	5
Styrene	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	5	5
tert-Butyl Methyl Ethe	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	**8.1**	**7.1**	**10**	0.89	U	5	5
Toluene	U	U	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	**45**	**16**	**21**	3	5 J	5	5
Trichlorofluoromethane	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	5	5
Total Volatile Organic Compounds	68.5	26.8	41.8	6.17	6.2	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-10	MW-10	MW-10	MW-10	MW-10	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/27/11	4/12/12	9/11/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,1,1,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,1-Trichloroethane	U	U	U	U	U	5	5
1,1,2,2-Tetrachloroethane	U	U	U	U	U	5	5
1,1,2-Trichloroethane	U	U	U	U	U	5	1
1,1-Dichloroethane	U	U	U	U	U	5	5
1,1-Dichloroethene	U	U	U	U	U	5	5
1,1-Dichloropropene	U	U	U	U	U	5	5
1,2,3-Trichlorobenzene	U	U	U	U	U	5	5
1,2,3-Trichloropropane	U	U	U	U	U	5	0.04
1,2,4-Trichlorobenzene	U	U	U	UJ	U	5	5
1,2,4-Trimethylbenzene	U	U	U	UJ	U	5	5
1,2-Dibromo-3-chloropropane	U	U	U	U	U	5	0.04
1,2-Dibromoethane (Ethylene Dibromide)	U	U	U	UJ	U	5	0.0006
1,2-Dichlorobenzene	U	U	U	U	U	5	3
1,2-Dichloroethane	U	U	U	U	U	5	0.6
1,2-Dichloropropane	U	U	U	U	U	5	1
1,3,5-Trimethylbenzene (Mesitylene)	U	U	U	U	U	5	5
1,3-Dichlorobenzene	U	U	U	U	U	5	3
1,3-Dichloropropane	U	U	U	U	U	5	5
1,4-Dichlorobenzene	U	U	U	U	U	5	3
2,2-Dichloropropane	U	U	UJ	U	U	5	5
2-Chlorotoluene	U	U	U	U	U	5	50
2-Hexanone	U	U	U	U	U	5	50
4-Chlorotoluene	U	U	U	U	U	5	5
Acetone	U	U	U	U	U	5	50
Benzene	U	UJ	U	U	U	5	1
Bromobenzene	U	U	U	U	U	5	5
Bromochloromethane	U	U	U	U	U	5	5
Bromodichloromethane	U	U	U	U	U	5	50
Bromoform	U	U	U	U	U	5	50
Bromomethane	U	U	UJ	UJ	U	5	5
Carbon Disulfide	U	U	U	U	U	5	60
Carbon Tetrachloride	U	U	U	U	U	5	5
Chlorobenzene	U	U	U	U	U	5	5
Chloroethane	U	U	U	U	U	5	5
Chloroform	U	U	U	U	U	5	7
Chloromethane	U	U	U	U	U	5	5
cis-1,2-Dichloroethylene	U	U	**6.7**	2.2 J	1.1 J	5	5
cis-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Cymene	U	U	U	U	U	5	5
Dibromochloromethane	U	U	U	U	U	5	50
Dibromomethane	U	U	U	U	U	5	5
Dichlorodifluoromethane	U	U	U	U	U	5	5

See next page for qualifiers and notes.

Table A-1
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Volatile Organic Compounds

Sample ID	MW-10	MW-10	MW-10	MW-10	MW-10	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/27/11	4/12/12	9/11/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Ethylbenzene	U	U	U	U	U	5	5
Hexachlorobutadiene	U	U	U	U	U	5	0.5
Iodomethane (Methyl Iodide)	U	U	UJ	UJ	U	5	5
Isopropylbenzene (Cumene)	U	U	U	U	U	5	5
Methyl Ethyl Ketone (2-Butanone)	U	U	U	U	U	5	50
Methyl Isobutyl Ketone	U	U	U	U	U	5	--
Methylene Chloride	U	U	U	U	U	5	5
m&p-Xylene	U	U	U	U	U	5	5
Naphthalene	U	U	U	UJ	U	5	10
n-Butylbenzene	U	U	U	U	U	5	5
n-Propylbenzene	U	U	U	U	U	5	5
o-Xylene (1,2-Dimethylbenzene)	U	U	U	U	U	5	5
sec-Butylbenzene	U	U	U	U	U	5	5
Styrene	U	U	U	U	U	5	5
t-Butylbenzene	U	U	U	U	U	5	5
tert-Butyl Methyl Ethe	U	U	U	U	U	5	10
Tetrachloroethylene (PCE)	U	U	1.6 J	U	0.68 J	5	5
Toluene	U	U	U	U	U	5	5
trans-1,2-Dichloroethene	U	U	U	U	U	5	5
trans-1,3-Dichloropropene	U	U	U	U	U	5	0.4
Trichloroethylene (TCE)	2.9 J	1 J	**11**	3.1 J	2.7 J	5	5
Trichlorofluoromethane	U	U	U	U	U	5	5
Vinyl Acetate	U	U	U	U	U	5	--
Vinyl Chloride	U	U	U	U	U	5	2
Xylenes, Total	U	U	U	U	U	5	5
Total Volatile Organic Compounds	2.9	1	19.3	5.3	4.48	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
D: Result taken from reanalysis at a secondary dilution.
UJ: Not detected, value estimated due to validation criteria.

Notes:
ug/l : Micrograms per liter
-- : Not established
: Exceeds Class GA Groundwater Standard/ Guidance Value

APPENDIX A-2

MONITORING WELL SAMPLE RESULTS
SEMIVOLATILE ORGANIC COMPOUNDS

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/7/12	4/5/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	U	U	U	U	U	UJ	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	10	5
3-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	2.8 J	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/7/12	4/5/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	U*	U	U	U	U	U	U	UB	U	U	U	U	10	5
Carbazole	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	UB	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U*	U	U	U	UB	UB	UB	U	U	U	U	U	10	50
Di-n-Octylphthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	10	5
Hexachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	U	10	1
Phenanthrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Phenol	U	U	U	U*	U	U	U	U	U	U	U	U	U	U	U	UJ	10	1
Pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Total Semivolatile Organic Compound	0	0	0	0	0	0	0	0	0	0	0	0	2.8	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-03	MW-03	MW-03	MW-03	MW-03	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	UJ	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	UJ	U	U	10	5
3-Nitroaniline	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	UJ	U	U	10	0.002
Benzo(a)pyrene	U	U	UJ	U	U	10	--
Benzo(b)fluoranthene	U	U	UJ	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	UJ	U	U	10	--
Benzo(k)fluoranthene	U	U	UJ	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	UJ	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-03	MW-03	MW-03	MW-03	MW-03	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	UJ	U	U*	10	5
Carbazole	U	U	U	U	U	10	--
Chrysene	U	U	UJ	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	UJ	U	U	10	--
Dibenzofuran	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U*	10	50
Di-n-Octylphthalate	U	U	UJ	U	U	10	50
Fluoranthene	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	10	5
Hexachloroethane	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	UJ	U	U	10	0.002
Isophorone	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	UJ	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	10	1
Phenanthrene	U	U	U	U	U	10	50
Phenol	U	U	U	U*	U	10	1
Pyrene	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-03R	MW-03R	MW-03R	MW-03R	MW-03R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	9/6/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	UJ	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	UJ	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	UJ	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
2,4-Dinitrophenol	UJ	U	U	U	U	U	UJ	U	UJ	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	U	U	U	UJ	U	U	U	10	1
2-Methylnaphthalene	UJ	U	U	U	U	U	U	U	UJ	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	U	U	U	UJ	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	U	U	U	UJ	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	U	U	U	UJ	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	UJ	UJ	U	U	10	5
3-Nitroaniline	U	U	U	U	U	U	U	U	UJ	U	U	U	20	5
4,6-Dinitro-2-methylphenol	UJ	U	U	U	U	U	U	U	UJ	U	U	U	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	UJ	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	U	U	U	UJ	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	U	U	U	UJ	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	U	U	U	UJ	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	U	U	U	UJ	U	U	U	20	1
Acenaphthene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
Anthracene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	U	U	U	UJ	U	U	UJ	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	U	U	U	UJ	U	U	UJ	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	U	U	U	UJ	U	U	UJ	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-03R	MW-03R	MW-03R	MW-03R	MW-03R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	9/6/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
bis(2-Ethylhexyl) Phthalate	U*	U	U	U	U	U	U	U	UJ	U	U	U	10	5
Carbazole	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
Chrysene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	U	U	UB	UJ	U	U	U	10	50
Di-n-Butyl Phthalate	U*	U	U	U	UB	UB	UB	U	UJ	U	U	U	10	50
Di-n-Octylphthalate	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Fluoranthene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Fluorene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.5
Hexachlorocyclopentadiene	UJ	U	U	U	U	U	U	U	UJ	U	U	U	10	5
Hexachloroethane	U	U	U	U	U	U	U	U	UJ	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	0.002
Isophorone	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Naphthalene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	10
Nitrobenzene	UJ	U	U	U	U	U	U	U	UJ	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	UJ	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	UJ	U	U	U	20	50
Pentachlorophenol	UJ	U	U	U	U	U	U	UJ	UJ	U	U	U	10	1
Phenanthrene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Phenol	U	U	U	U	U	U	U	U	UJ	U	U	UJ	10	1
Pyrene	U	U	U	U	U	U	U	U	UJ	U	U	U	10	50
Total Semivolatile Organic Compound	0	0	0	0	0	0	0	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-04	MW-04	MW-04	MW-04	MW-04	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/13/12	9/7/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	UJ	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	10	5
3-Nitroaniline	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-04	MW-04	MW-04	MW-04	MW-04	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/13/12	9/7/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	U*	10	5
Carbazole	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U*	10	50
Di-n-Octylphthalate	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	10	5
Hexachloroethane	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	UJ	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	10	1
Phenanthrene	U	U	U	U	U	10	50
Phenol	U	U	U	U*	U	10	1
Pyrene	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-04R	MW-04R	MW-04R	MW-04R	MW-04R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	U	U	U	U	10	50
2,4-Dinitrophenol	UJ	U	U	U	U	U	UJ	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	U	UJ	U	U	10	5
3-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	UJ	U	U	U	U	U	U	U	U	U	U	U	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	U	U	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	U	U	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	U	U	U	U	U	U	UJ	10	5
bis(2-Chloroethyl) Ether	UJ	U	U	U	U	U	U	U	U	U	U	UJ	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	U	U	U	U	U	U	UJ	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-04R	MW-04R	MW-04R	MW-04R	MW-04R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
bis(2-Ethylhexyl) Phthalate	U*	U	U	U	U	U	U	U	U	U	U	U	10	5
Carbazole	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	U	U	UB	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	1.3 J	UB	UB	UB	UB	U	U	U	U	U	10	50
Di-n-Octylphthalate	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	UJ	U	U	U	U	U	U	U	U	U	U	U	10	5
Hexachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	U	U	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	U	U	U	U	U	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	U	U	U	U	20	50
Pentachlorophenol	UJ	U	U	U	U	U	U	UJ	U	U	U	U	10	1
Phenanthrene	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Phenol	U	U	U	U	U	U	U	U	U	U	U	UJ	10	1
Pyrene	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	1.3	0	0	0	0	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-05	MW-05	MW-05	MW-05	MW-05	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/5/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	10	5
3-Nitroaniline	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	UJ	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-05	MW-05	MW-05	MW-05	MW-05	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/5/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	U	10	5
Carbazole	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U	10	50
Di-n-Octylphthalate	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	10	5
Hexachloroethane	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	10	1
Phenanthrene	U	U	U	U	U	10	50
Phenol	U	U	U	U	U	10	1
Pyrene	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	U	U	U	U	U	UJ	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	10	5
3-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	UJ	U	U	U	U	U	U	U	U	U	U	UJ	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	U*	U	U	U	UB	U	U	U	U	U	U	U	10	5
Carbazole	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	UB	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U	U	1.1 J	UB	UB	UB	UB	U	U	1.0 J	U	U	10	50
Di-n-Octylphthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	10	5
Hexachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	U	10	1
Phenanthrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Phenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	1
Pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	0	0	1.1	0	0	0	0	0	0	1.0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
1,2,4-Trichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	U	U	U	U	U	UJ	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	U	U	10	5
3-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	U	U	U	U	U	U	U	UB	U	U	U	U	10	5
Carbazole	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	U	U	U	U	U	U	UB	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U*	U	1.2 J	UB	UB	UB	UB	U	U	U	U	U	10	50
Di-n-Octylphthalate	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	U	U	U	U	U	U	U	U	U	U	U	10	5
Hexachloroethane	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	U	U	U	U	U	U	UJ	U	U	U	U	10	1
Phenanthrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Phenol	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	UJ	10	1
Pyrene	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	0	0	1.2	0	0	0	0	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-08	MW-08	MW-08	MW-08	MW-08	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/28/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	UJ	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	10	5
3-Nitroaniline	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-08	MW-08	MW-08	MW-08	MW-08	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/28/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	U	1.9 J	U*	10	5
Carbazole	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U*	10	50
Di-n-Octylphthalate	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	10	5
Hexachloroethane	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	UJ	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	10	1
Phenanthrene	U	U	U	U	U	10	50
Phenol	U	U	U	U*	U	10	1
Pyrene	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	1.9	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-09	MW-09	MW-09	MW-09	MW-09	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	UJ	20	10
2,4-Dinitrotoluene	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	UJ	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	10	5
3-Nitroaniline	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	UJ	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-09	MW-09	MW-09	MW-09	MW-09	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	U*	10	5
Carbazole	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	U*	10	50
Di-n-Octylphthalate	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	UJ	10	5
Hexachloroethane	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	UJ	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	UJ	10	1
Phenanthrene	U	U	U	U	U	10	50
Phenol	U	U	U	U*	U	10	1
Pyrene	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	0	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-10	MW-10	MW-10	MW-10	MW-10	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/27/11	4/12/12	9/11/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
1,2,4-Trichlorobenzene	U	U	U	U	U	10	5
1,2-Dichlorobenzene	U	U	U	U	U	10	3
1,3-Dichlorobenzene	U	U	U	U	U	10	3
1,4-Dichlorobenzene	U	U	U	U	U	10	3
2,4,5-Trichlorophenol	U	U	U	U	U	20	1
2,4,6-Trichlorophenol	U	U	U	U	U	10	1
2,4-Dichlorophenol	U	U	U	U	U	10	5
2,4-Dimethylphenol	U	U	U	U	U	10	50
2,4-Dinitrophenol	U	U	U	U	U	20	10
2,4-Dinitrotoluene	U	U	U	U	U	10	5
2,6-Dinitrotoluene	U	U	U	U	U	10	5
2-Chloronaphthalene	U	U	U	U	U	10	10
2-Chlorophenol	U	U	U	U	U	10	1
2-Methylnaphthalene	U	U	U	U	U	10	--
2-Methylphenol (o-Cresol)	U	U	U	U	U	10	1
2-Nitroaniline	U	U	U	U	U	20	5
2-Nitrophenol	U	U	U	U	U	10	1
3,3'-Dichlorobenzidine	U	U	U	U	U	10	5
3-Nitroaniline	U	U	U	U	U	20	5
4,6-Dinitro-2-methylphenol	U	UJ	U	U	U	20	1
4-Bromophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Chloro-3-methylphenol	U	U	U	U	U	10	1
4-Chloroaniline	U	U	U	U	U	10	5
4-Chlorophenyl Phenyl Ether	U	U	U	U	U	10	--
4-Methylphenol (p-Cresol)	U	U	U	U	U	10	1
4-Nitroaniline	U	U	U	U	U	20	5
4-Nitrophenol	U	U	U	U	U	20	1
Acenaphthene	U	U	U	U	U	10	20
Acenaphthylene	U	U	U	U	U	10	--
Anthracene	U	U	U	U	U	10	50
Benzo(a)anthracene	U	U	U	U	U	10	0.002
Benzo(a)pyrene	U	U	U	U	U	10	--
Benzo(b)fluoranthene	U	U	U	U	U	10	0.002
Benzo(g,h,i)perylene	U	U	U	U	U	10	--
Benzo(k)fluoranthene	U	U	U	U	U	10	0.002
Benzyl Butyl Phthalate	U	U	U	U	U	10	50
bis(2-Chloroethoxy) Methane	U	U	U	U	U	10	5
bis(2-Chloroethyl) Ether	U	U	U	U	U	10	1
bis(2-Chloroisopropyl) Ether	U	U	U	U	U	10	--

See next page for qualifiers and notes.

Table A-2
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Semivolatile Organic Compounds

Sample ID	MW-10	MW-10	MW-10	MW-10	MW-10	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/27/11	4/12/12	9/11/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
bis(2-Ethylhexyl) Phthalate	U	U	U	U	2.1 J	10	5
Carbazole	U	U	U	U	U	10	--
Chrysene	U	U	U	U	U	10	0.002
Dibenz(a,h)anthracene	U	U	U	U	U	10	--
Dibenzofuran	U	U	U	U	U	10	--
Diethyl Phthalate	U	U	U	U	U	10	50
Dimethyl Phthalate	U	U	U	U	U	10	50
Di-n-Butyl Phthalate	U	U	U	U	1.5 J	10	50
Di-n-Octylphthalate	U	U	U	U	U	10	50
Fluoranthene	U	U	U	U	U	10	50
Fluorene	U	U	U	U	U	10	50
Hexachlorobenzene	U	U	U	U	U	10	0.04
Hexachlorobutadiene	U	U	U	U	U	10	0.5
Hexachlorocyclopentadiene	U	UJ	U	U	U	10	5
Hexachloroethane	U	U	U	U	U	10	5
Indeno(1,2,3-c,d)pyrene	U	U	U	U	U	10	0.002
Isophorone	U	U	U	U	U	10	50
Naphthalene	U	U	U	U	U	10	10
Nitrobenzene	U	U	U	U	U	10	0.4
N-Nitroso-di-n-propylamine	U	U	U	U	U	10	--
N-Nitrosodiphenylamine	U	U	U	U	U	20	50
Pentachlorophenol	U	U	U	U	U	10	1
Phenanthrene	U	U	U	U	U	10	50
Phenol	U	U	U	U	U	10	1
Pyrene	U	U	U	U	U	10	50
Total Semivolatile Organic Compounds	0	0	0	0	3.6	--	--

Qualifiers:
U: Not detected
J: Estimated value or limit
UJ: Not detected, value estimated due to validation criteria
U*or UB: Result qualified as non-detect based on validation criteria

Notes:
ug/l: Micrograms per liter
--: Not established

APPENDIX A-3

MONITORING WELL SAMPLE RESULTS
TARGET ANALYTE LIST METALS AND ALKALINITY

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/7/12	4/5/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	U	--	U	U	U	U	U	U	U	1,280	2,600	903	1,140	UB	UB	U	200	--
Antimony	U	U	U	U	U	U	U	U	U	U	U	U	U	UB	U	U	20	3 ST
Arsenic	U	U	U	U	7.4 B	U	U	U	U	U	UB	U	U	U	U	U	20	25 ST
Barium	21.4 B	--	24.5 B	28.9 B	25.5 B	37.6 B	UB	25.2 B	24.7 B	40 BJ	61.7 B	55.0 B	33.2 B	31.8 B	31.2 BJ	28	200	1,000 ST
Beryllium	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5 ST
Calcium	15,900	--	31,700	30,200	52,600	51,100	41,800	46,000	27,200	33,000	51,300	30,300	33,500 J	32,400	32,200	36,500	800	--
Chromium, Total	U	2.1 B	U	1.4 B	1.9 B	2.8 B	3.4 B	1.0 B	UB	U	UB	2 B	UB	2 B	5.0 B	4	20	50 ST
Cobalt	U	--	U	U	0.91 B	U	U	U	U	U	0.82 B	U	UB	UB	UB	U	50	--
Copper	U	U	U	U	4.4 B	U	U	U	U	4.1 B	UB	4 B	5.4 B	U	UB	U	30	200 ST
Iron	U	U	UJ	77.3 B	U*	33.8 BJ	U	102 B	UB	**715**	**1,380**	**538**	**539**	51.1 B	U	10	200	300 ST
Lead	U	U	U	U	U	U	U	U	U	U	U	6 B	U	U	U	U	10	25 ST
Magnesium	1,490	--	2,380	2,750	5,360	3,860	3,450	3,720	2,440	2,740	4,150	2,760	2,870 J	2,770	2,780	3,140	500	35,000 GV
Manganese	51.1	--	33.0 B	**700**	**2,260**	**894**	**798**	**2,650**	**754**	**2,870**	**2,220**	**2,790**	**615**	**441**	148	55	50	300 ST
Mercury	U	U	U	U	UB	U	U	U	U	U	U	U	UB	U	0.039 B	U	0.20	0.7 ST
Nickel	U	U	U	U	0.87 B	1.3 B	U	U	U	UB	UB	U	UB	1.5 B	1.9 B	U	50	100 ST
Potassium	28,800	--	20,000	16,000	15,000	20,800	19,600 J	9,430	12,500	9,220 J	17,300	24,800 J	15,400	14,900	15,000	18,000	100	--
Selenium	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	30	10 ST
Silver	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	30	50 ST
Sodium	**25,900**	--	**28,000**	**34,700**	**29,500**	**60,200**	**27,300**	**78,000**	**27,900**	**27,100**	**69,100**	**30,300**	**29,200**	**48,600**	**29,000**	16,100	100	20,000 ST
Thallium	U	U	U	U	U	U	U	U	U	U	U	U	U	UB	U	U	20	0.5 GV
Vanadium	U	--	U	U	U	U	U	U	U	1.3 B	1.1 B	U	U	UB	U	U	50	--
Zinc	11.0 B	U	U	U*	U	U	U	U	UB	5.3 B	UB	8 B	5.2 B	UB	UB	U	50	2,000 GV
Total Iron and Manganese	51.1	U	33	**777.3**	**2,260**	**927.8**	**798**	**2,752**	**754**	**3,585**	**3,600**	**3,328**	**1,154**	492.1	148	65	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	76	--	--	92	140	110	130	140	87	92	110	86	110	88	130	103	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
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Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-03	MW-03	MW-03	MW-03	MW-03	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	U	--	U	U	U	200	--
Antimony	U	U	U	U	U	20	3 ST
Arsenic	U	U	U	U	U	20	25 ST
Barium	822	--	174 B	215	85.6 B	200	1,000 ST
Beryllium	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	5	5 ST
Calcium	53,000	--	31,100	39,400	24,400	800	--
Chromium, Total	3.4 B	**66.5**	34.4	14.1 B	14.1 B	20	50 ST
Cobalt	U	--	1.2 B	U	U	50	--
Copper	15.1 B	U	21.7 B	15.6 B	9.0 B	30	200 ST
Iron	U	36.4 B	**1,290 J**	**320**	U*	200	300 ST
Lead	U	U	U	U	U	10	25 ST
Magnesium	5,340	--	2,940	4,540	2,790	500	35,000 GV
Manganese	295	--	247	131	31.8 B	50	300 ST
Mercury	U	U	U	U	U*	0.20	0.7 ST
Nickel	8.6 B	U	12.3 B	6.7 B	4.0 B	50	100 ST
Potassium	8,520	--	5,260	9,870	4,730	100	--
Selenium	U	U	U	U	U	30	10 ST
Silver	U	U	U	U	U	30	50 ST
Sodium	**25,900**	--	10,500	**42,200**	15,100	100	20,000 ST
Thallium	U	U	U	U	U	20	0.5 GV
Vanadium	2.6 B		U	1.8 B	1.8 B	50	--
Zinc	20.0 B	U	U	UB	11.6 B	50	2,000 GV
Total Iron and Manganese	295	36.4	**1,537**	451	31.8	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	130	--	73	100	59	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
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-- : Not analyzed or established
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Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-03R	MW-03R	MW-03R	MW-03R	MW-03R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	MW-3R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	9/6/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Aluminum	U	1,080	391	U	U	547	108 B	1,200	U	UB	UB	U	200	--
Antimony	U	U	U	U	U	U	U	U	U	UB	**6.9 B**	U	20	3 ST
Arsenic	U	U	U	U	U	U	U	U	U	U	5.3 B	U	20	25 ST
Barium	25.8 B	57.6 B	55.7 B	44.8 B	46.2 B	60.9 BJ	52.2 B	54.2 B	43.7 B	47.2 B	42.8 BJ	23	200	1,000 ST
Beryllium	U	U	U	U	U	U	U	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	U	U	U	U	U	U	U	5	5 ST
Calcium	19,400	32,800	41,400	38,200	36,100	46,300	47,400	48,000	45,400 J	53,000	62,200	38,400	800	--
Chromium, Total	26.6	32.4	**77.1**	10.0 B	UB	24.2	12.8 B	45.2	8.6 B	10.2 B	9.6 B	U	20	50 ST
Cobalt	U	1.1 B	U	U	U	U	U	U	UB	U	U	U	50	--
Copper	U	9.9 B	13.3 B	U	U	7.3 B	UB	9.7 B	4.6 B	3.7 B	UB	U	30	200 ST
Iron	UB	**2,070 J**	**558**	154 B	UB	**1,060**	215	**2,270**	43.4 B	121 B	49.4 B	160	200	300 ST
Lead	U	U	4.4 B	U	U	U	U	8 B	U	8.5 B	U	U	10	25 ST
Magnesium	1,710	3,490	3,680	3,510	3,450	4,530	5,090	4,810	3,830 J	4,970	5,430	3,450	500	35,000 GV
Manganese	U	33.1 B	15 B	22.5 B	13.4 B	38.4 B	11.8 B	69.1	U	7.9 B	5.0 B	U	50	300 ST
Mercury	UB	U	U	U	U	U	U	U	UB	U	U	U	0.20	0.7 ST
Nickel	1.4 B	4.4 B	UB	UB	UB	UB	UB	2.5 B	UB	2.6 B	3.0 B	U	50	100 ST
Potassium	8,280	12,100	14,300 J	16,000	15,400	22,000 J	18,000	11,800 J	21,600	21,400	20,100	11,500	100	--
Selenium	U	U	U	U	U	U	U	U	U	U	U	U	30	10 ST
Silver	U	U	U	U	U	U	U	U	U	U	U	U	30	50 ST
Sodium	16,400	**24,700**	**71,700**	**29,300**	**55,300**	**49,000**	**37,400**	**82,900**	**53,500**	**60,000**	**65,300**	**88,600**	100	20,000 ST
Thallium	U	U	U	U	U	U	U	U	U	UB	**2.7 B**	U	20	0.5 GV
Vanadium	U	2.3 B	1.9 B	U	U	1.5 B	U	3.5 B	U	UB	U	U	50	--
Zinc	U	8.0 B	11.8 B	U	U	U	UB	13.2 B	8.3 B	UB	UB	U	50	2,000 GV
Total Iron and Manganese	U	**2,103.1**	**573**	176.5	13.4	**1,098.4**	226.8	**2,339.1**	43.4	128.9	54.4	160	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	59	81	140	160	110	110	120	150	130	120	130	112	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
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Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-04		MW-04		MW-04		MW-04		MW-04		CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10		4/26/11		9/28/11		4/13/12		9/7/12			
Dilution Factor	1		1		1		1		1			
Units	ug/l		ug/l		ug/l		ug/l		ug/l			
Aluminum		U	--			U		U		U	200	--
Antimony		U		U		U		U		U	20	3 ST
Arsenic		U		U		U		U		U	20	25 ST
Barium	12.3	B	--		23.6	B	23.9	B	18.8	B	200	1,000 ST
Beryllium		U		U		U		U		U	5	3 GV
Cadmium		U		U		U		U		U	5	5 ST
Calcium	45,700		--		46,600		30,600		40,300		800	--
Chromium, Total	27.3		4.2	B		U	5.3	B	5.7	B	20	50 ST
Cobalt	1.2	B	--			U		U	1.5	B	50	--
Copper	33.7			U	25.9	B	19.9	B	22.0	B	30	200 ST
Iron		U	90.1	B		UJ	90.3	B		U	200	300 ST
Lead		U		U		U		U		U	10	25 ST
Magnesium	3,720		--		3,810		2,570		3,630		500	35,000 GV
Manganese		U	--			U	10.2	B		U	50	300 ST
Mercury		U		U		U		U		UB	0.20	0.7 ST
Nickel	3.5	B		U		U	2.7	B	2.9	B	50	100 ST
Potassium	6,940		--		17,700		20,500		12,700		100	--
Selenium		U		U		U		U		U	30	10 ST
Silver		U		U		U		U		U	30	50 ST
Sodium	**27,100**		--		**27,800**		**46,300**		**32,800**		100	20,000 ST
Thallium		U		U		U		U		U	20	0.5 GV
Vanadium		U	--			U		U		U	50	--
Zinc	14.5	B		U		U		UB	30.9	B	50	2,000 GV
Total Iron and Manganese		U	90.1			U	100.5			U	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	130		--		95		100		96		--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
: Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-04R	MW-04R	MW-04R	MW-04R	MW-04R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	MW-4R	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L		
Aluminum	U	486	157 B	278	273	1,210	278	U	462	U	UB	98	200	--
Antimony	U	U	U	U	U	U	U	U	U	UB	**8.2 B**	U	20	3 ST
Arsenic	6.6 B	4.3 B	U	U	U	4.4 B	U	U	5.1 B	U	4.7 B	U	20	25 ST
Barium	22.7 B	24.7 B	UB	23.7 B	UB	UBJ	16.8 B	17.6 B	UB	22.6 B	22.5 BJ	23	200	1,000 ST
Beryllium	U	U	U	0.30 B	U	U	U	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	U	U	U	U	U	U	U	5	5 ST
Calcium	45,500	40,700	34,400	50,900	32,600	46,100	47,300	32,600	48,200 J	48,200	54,400	40,700	800	--
Chromium, Total	4.6 B	4.1 B	**2,720**	32.0	**81.3**	**53.7**	18.1 B	**60.3**	29.9	9.3 B	15.0 B	7	20	50 ST
Cobalt	U	1.3 B	UB	UB	U	2.7 B	U	U	U	UB	UB	U	50	--
Copper	14.3 B	64.0	44.4	43.8	31.4	65.5	31.8	22.3 B	40	26.7 B	UB	31	30	200 ST
Iron	91.5 B	**999 J**	**309**	**839**	**630**	**3,010**	**604**	UB	**828**	U	U	**340**	200	300 ST
Lead	U	U	U	U	U	U	U	U	U	6.7 B	U	U	10	25 ST
Magnesium	3,670	3,610	2,870	4,520	2,920	4,100	3,820	2,690	4,150 J	3,740	4,400	3,300	500	35,000 GV
Manganese	U	41.6 B	55.3	152	79.6	268	59.3	U	81	26.8 B	6.7 B	54	50	300 ST
Mercury	UB	U	0.12 B	U	U	U	U	U	U	U	U	U	0.20	0.7 ST
Nickel	1.8 B	4.8 B	UB	UB	UB	UB	UB	1.2 B	UB	2.8 B	3.8 B	U	50	100 ST
Potassium	18,800	16,900	13,600 J	14,600	8,840	6,700 J	13,200	12,300 J	9,710	17,800	17,400	17,600	100	--
Selenium	U	U	U	U	U	U	U	U	U	U	U	U	30	10 ST
Silver	U	U	U	U	U	U	U	U	U	U	U	U	30	50 ST
Sodium	**42,000**	**29,200**	**40,900**	**28,800**	**23,000**	**23,700**	**36,400**	**80,000**	**64,600**	**41,100**	**39,400**	**92,300**	100	20,000 ST
Thallium	U	U	U	U	U	U	U	U	U	UB	**3.1 B**	U	20	0.5 GV
Vanadium	U	U	3.6 B	UB	U	3.5 B	U	U	U	UB	U	U	50	--
Zinc	10.2 B	11.0 B	12.9 B	U	UB	15.1 B	UB	U	10.1 B	UB	UB	U	50	2,000 GV
Total Iron and Manganese	91.5	**1,040.6**	364.3	**991**	**709.6**	**3,278**	**663**	0	**909**	26.8	6.7	394	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	110	85	100	130	110	130	110	110	130	130	160	126	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
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Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-05	MW-05	MW-05	MW-05	MW-05	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10	4/26/11	9/28/11	4/12/12	9/5/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	U	--	U	91.5 B	U	200	--
Antimony	U	U	U	U	U	20	3 ST
Arsenic	U	U	U	U	U	20	25 ST
Barium	17.1 B	--	20.9 B	34.0 B	22.6 B	200	1,000 ST
Beryllium	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	5	5 ST
Calcium	45,400	--	46,700	47,100	45,900	800	--
Chromium, Total	U	U	U	U	2.5 B	20	50 ST
Cobalt	U	--	U	U	U	50	--
Copper	U	U	U	4.1 B	U	30	200 ST
Iron	U	U	UJ	U	U	200	300 ST
Lead	U	U	U	U	U	10	25 ST
Magnesium	3,740	--	3,610	3,390	3,530	500	35,000 GV
Manganese	**522**	--	149	**549 J**	128	50	300 ST
Mercury	U	U	U	U	U	0.20	0.7 ST
Nickel	U	U	U	1.0 B	U	50	100 ST
Potassium	11,300	--	16,500	34,100	22,600	100	--
Selenium	U	U	U	U	U	30	10 ST
Silver	U	U	U	U	U	30	50 ST
Sodium	15,600	--	**21,800**	**29,300**	17,000	100	20,000 ST
Thallium	U	U	U	U	U	20	0.5 GV
Vanadium	U	--	U	U	U	50	--
Zinc	11.9 B	U	U	UB	U	50	2,000 GV
Total Iron and Manganese	**522**	U	149	**549**	128	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	--	--	130	150	130	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
bold : Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	MW-06	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	U	--	U	174 B	123 B	U	214	U	U	919	423	U	133 B	UB	UB	U	200	--
Antimony	U	U	U	U	U	U	U	U	U	U	U	U	U	UB	**8.4 B**	U	20	3 ST
Arsenic	U	U	U	UB	U	U	U	U	U	5.4 B	U	U	4.7 B	U	7.4 B	U	20	25 ST
Barium	33.8 B	--	38.7 B	40.6 B	35.4 B	27.7 B	62.5 B	31.0 B	32.7 B	42.5 BJ	29.5 B	48.6 B	36 B	32.2 B	41.6 BJ	23	200	1,000 ST
Beryllium	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	U	U	U	U	1.4 B	UB	U	U	U	U	U	5	5 ST
Calcium	36,200	--	57,300	51,400	34,800	54,900	81,500	62,900	42,100	58,300	51,400	60,200	55,900 J	45,700	43,500	39,500	800	--
Chromium, Total	U	U	U	1.3 B	2.3 B	0.77 B	1.9 B	0.86 B	UB	5.1 B	UB	2 B	UB	2.8 B	3.7 B	6	20	50 ST
Cobalt	U	--	1.4 B	0.72 B	UB	1.3 B	UB	UB	UB	1.7 B	1.2 B	U	UB	UB	UB	U	50	--
Copper	U	U	U	4.8 B	4.3 B	8.8 B	15.6 B	4.4 B	5 B	10.3 B	UB	4.2 B	6.4 B	3.2 B	UB	U	30	200 ST
Iron	73.4 B	119 B	UJ	**519**	247	**584 J**	**615**	198 B	UB	**2,520**	**1,040**	**303**	297	**366**	**328**	60	200	300 ST
Lead	U	U	U	U	U	U	4.3 B	U	U	5.9 B	U	10.1	U	9.5 B	U	U	10	25 ST
Magnesium	2,610	--	4,290	4,220	2,540	5,570	7,280	6,780	3,380	6,140	5,290	4,610	4,580 J	4,290	3,120	3,140	500	35,000 GV
Manganese	U	--	24.0 B	13.5 B	10.6 B	U	22.9 B	11.2 B	U	102	272	**1,130**	**321**	238	243	17	50	300 ST
Mercury	U	U	U	0.074 B	UB	0.037 B	0.09 B	U	U	0.25	0.11 B	0.041 B	UB	U	U	U	0.20	0.7 ST
Nickel	U	U	U	0.86 B	1.3 B	4.2 B	UB	UB	UB	UB	UB	U	UB	3 B	2.7 B	U	50	100 ST
Potassium	19,900	--	19,400	22,800	29,100	13,100	23,200 J	11,200	14,500	12,500 J	9,000	19,700 J	18,400	18,100	27,100	14,000	100	--
Selenium	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	1	30	10 ST
Silver	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	30	50 ST
Sodium	**24,200**	--	**33,500**	**36,800**	**29,600**	**27,800**	**70,700**	**30,600**	**48,100**	**23,700**	17,100	**35,500**	**33,600**	**26,500**	**25,200**	**42,600**	100	20,000 ST
Thallium	U	U	U	U	U	U	U	U	U	U	U	U	U	UB	**2.4 B**	U	20	0.5 GV
Vanadium	5.2 B	--	4.8 B	8.4 B	8.0 B	4.0 B	9.7 B	UB	8.3 B	16.6 B	10.3 B	11.1 B	7.4 B	8.7 B	8.3 B	U	50	--
Zinc	12.5 B	U	U	U	11.5 B	U	9.2 B	U	U	11.3 B	UB	U	U	UB	UB	U	50	2,000 GV
Total Iron and Manganese	73.4	119	24	**532.5**	257.6	**584**	**637.9**	209.2	U	**2,622**	**1,312**	**1,433**	**618**	**604**	**571**	77	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	120	--	130	150	120	91	150	150	130	140	130	150	140	24	130	116	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
bold : Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	MW-07	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/25/11	9/27/11	4/12/12	9/5/12	4/4/13	9/5/13	4/22/14	9/24/14	1/21/15	4/17/15	9/25/15	1/15/16	4/29/16	6/28/16	9/26/17		
Dilution Factor	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	U	--	U	U	U	1,050	115 B	U	U	U	149 B	130 B	99.6 B	UB	UB	670	200	--
Antimony	U	U	U	U	U	U	U	U	U	U	U	U	U	UB	**7.0 B**	U	20	3 ST
Arsenic	U	U	U	U	4.5 B	4.8 B	U	U	U	U	U	U	5.8 B	U	5.6 B	U	20	25 ST
Barium	22.9 B	--	28.0 B	26.9 B	25.2 B	38.8 B	UB	37.7 B	UB	UBJ	31.2 B	58.1 B	38.4 B	24.6 B	24.1 BJ	19	200	1,000 ST
Beryllium	U	U	U	U	U	0.40 B	U	U	U	U	U	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5	5 ST
Calcium	37,700	--	49,100	44,100	51,100	49,600	74,900	58,900	36,700	39,800	38,600	48,900	33,700 J	44,200	50,700	42,200	800	--
Chromium, Total	U	2.7 B	U	U	U	2.4 B	30.4 B	U	UB	1.1 B	U	3.6 B	UB	1.5 B	2.9 B	U	20	50 ST
Cobalt	0.99 B	--	2.3 B	U	UB	4.9 B	UB	U	U	U	U	U	UB	UB	U	U	50	--
Copper	U	U	4.7 B	U	U	7.1 B	8.5 B	U	U	U	U	4.6 B	5 B	1.3 B	UB	U	30	200 ST
Iron	33.5 B	**1,190**	UJ	93.6 B	59.3 B	**1,100 J**	**351 J**	104 B	UB	58 B	201	266	152 B	U	U	70	200	300 ST
Lead	U	20.3	U	U	U	4.4 B	U	U	U	U	U	8.6 B	4.3 B	6.4 B	U	U	10	25 ST
Magnesium	4,320	--	4,650	3,240	3,310	5,550	6,900	4,660	3,340	3,170	2,910	4,120	2,580 J	3,500	4,120	3,250	500	35,000 GV
Manganese	**930**	--	**666**	**357**	134	**413**	**397**	130	**1,160**	**1,170**	**1,950**	**4,190**	**1,060**	155	92.7	132	50	300 ST
Mercury	U	U	U	U	UB	U	U	U	U	U	U	0.031 B	UB	U	0.032 B	U	0.20	0.7 ST
Nickel	1.5 B	U	U	U	0.89 B	6.8 B	UB	UB	UB	U	UB	1 B	UB	1.8 B	2.5 B	U	50	100 ST
Potassium	7,770	--	12,600	25,000	26,000	17,400	20,900 B	33,500	15,500	16,900 J	28,200	21,100 J	37,100	29,200	24,200	25,900	100	--
Selenium	U	U	U	U	U	**14.0 B**	**12.3 B**	U	U	U	U	U	U	U	U	U	30	10 ST
Silver	U	14.9 B	U	U	U	U	U	U	U	U	U	U	U	U	U	U	30	50 ST
Sodium	**21,100**	--	**33,400**	**23,100**	**20,300**	**27,500**	**39,900**	**30,900**	**29,200**	**24,000**	**41,000**	**49,400**	**34,000**	**23,300**	**27,900**	16,900	100	20,000 ST
Thallium	U	U	U	U	U	U	U	U	U	U	U	U	U	UB	**3.2 B**	U	20	0.5 GV
Vanadium	U	--	U	U	U	5.5 B	U	U	U	U	U	U	U	U	U	U	50	--
Zinc	11.2 B	U	U	UB	19.1 B	11.7 B	5.9 B	U	U	U	UB	9.5 B	7.6 B	UB	UB	U	50	2,000 GV
Total Iron and Manganese	**963.5**	**1,190**	**666**	450.6	193.3	**1,513**	**748**	234	**1,160**	**1,228**	**2,151**	**4,456**	**1,212**	155	92.7	202	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	--	--	130	140	150	98	150	160	100	120	130	120	120	120	150	128	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
bold : Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-08	MW-08	MW-08	MW-08	MW-08	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/28/11	4/13/12	9/6/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	183 B	--	475	1,550	100 B	200	--
Antimony	U	U	U	U	U	20	3 ST
Arsenic	U	U	U	UB	U	20	25 ST
Barium	214	--	135 B	95.3 B	49.1 B	200	1,000 ST
Beryllium	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	5	5 ST
Calcium	25,100	--	38,500	33,100	23,600	800	--
Chromium, Total	1.3 B	3.0 B	U	8.2 B	2.5 B	20	50 ST
Cobalt	U	--	1.2 B	1.7 B	U	50	--
Copper	12.2 B	U	17.0 B	29.0 B	U	30	200 ST
Iron	**330**	**668**	**1,480 J**	**2,550**	238	200	300 ST
Lead	U	U	5.5 B	15.7	U	10	25 ST
Magnesium	2,830	--	3,430	3,930	2,300	500	35,000 GV
Manganese	93.1	--	93.4	35.3 B	11.5 B	50	300 ST
Mercury	U	0.077 B	0.51	0.31	UB	0.20	0.7 ST
Nickel	2.1 B	U	U	5.6 B	1.0 B	50	100 ST
Potassium	16,600	--	12,900	21,800	10,200	100	--
Selenium	U	U	U	U	U	30	10 ST
Silver	U	U	U	7.9 B	U	30	50 ST
Sodium	**22,700**	--	16,200	**30,800**	10,000	100	20,000 ST
Thallium	U	U	U	U	U	20	0.5 GV
Vanadium	1.9 B	--	3.2 B	7.4 B	2.0 B	50	--
Zinc	40.5 B	U	66.8	161	7.2 B	50	2,000 GV
Total Iron and Manganese	423.1	**668**	**1,573.4**	**2,585.3**	249.5	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	--	--	110	110	52	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
bold : Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-09		MW-09		MW-09		MW-09		MW-09		CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/19/10		4/25/11		9/27/11		4/13/12		9/6/12			
Dilution Factor	1		1		1		1		1			
Units	ug/l		ug/l		ug/l		ug/l		ug/l			
Aluminum		U	--			U	553			U	200	--
Antimony		U		U		U		U		U	20	3 ST
Arsenic		U		U		U		U		U	20	25 ST
Barium	36.7	B	--		29.8	B	35.5	B	28.6	B	200	1,000 ST
Beryllium		U		U		U		U		U	5	3 GV
Cadmium		U		U		U		U		U	5	5 ST
Calcium	44,400		--		31,800		31,500		12,400		800	--
Chromium, Total	10.7	B	5.6	B		U	6.8	B	11.8	B	20	50 ST
Cobalt		U	--		0.96	B	0.80	B		U	50	--
Copper	4.3	B		U	24.2	B	14.6	B	8.6	B	30	200 ST
Iron	32.3	B	54.2	B		UJ	**852**			UB	200	300 ST
Lead		U		U		U	6.2	B		U	10	25 ST
Magnesium	4,170		--		3,020		3,260		1,770		500	35,000 GV
Manganese		U	--		12.1	B	14.4	B		U	50	300 ST
Mercury		U		U		U	0.041	B		UB	0.20	0.7 ST
Nickel	5.5	B		U	12.7	B	14.6	B	6.2	B	50	100 ST
Potassium	11,100		--		11,900		13,600		4,550		100	--
Selenium		U		U		U		U		U	30	10 ST
Silver		U		U		U		U		U	30	50 ST
Sodium	**34,200**		--		**34,300**		**46,400**		6,940		100	20,000 ST
Thallium		U		U		U		U		U	20	0.5 GV
Vanadium		U	--			U	2.2	B		U	50	--
Zinc	19.7	B		U		U	34.3	B	7.2	B	50	2,000 GV
Total Iron and Manganese	32.3		54.2		12.1		**866.4**			U	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	--		--		--		100		36		--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
bold : Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

Table A-3
Chemical Pollution Control, LLC of New York
Groundwater Monitoring Program
Groundwater Sample Results
Metals and Alkalinity

Sample ID	MW-10	MW-10	MW-10	MW-10	MW-10	CONTRACT REQUIRED DETECTION LIMIT (ug/l)	NYSDEC CLASS GA GROUNDWATER STANDARDS / GUIDANCE VALUES (ug/l)
Date Collected	8/18/10	4/26/11	9/27/11	4/12/12	9/11/12		
Dilution Factor	1	1	1	1	1		
Units	ug/l	ug/l	ug/l	ug/l	ug/l		
Aluminum	U	--	U	333	U	200	--
Antimony	U	U	U	U	U	20	3 ST
Arsenic	U	U	U	U	U	20	25 ST
Barium	28.9 B	--	32.5 B	43.6 B	32.8 B	200	1,000 ST
Beryllium	U	U	U	U	U	5	3 GV
Cadmium	U	U	U	U	U	5	5 ST
Calcium	35,900	--	43,800	58,700	30,800	800	--
Chromium, Total	1.1 B	0.82 B	U	3.6 B	0.64 B	20	50 ST
Cobalt	U	--	1.4 B	1.0 B	U	50	--
Copper	U	U	U	5.7 B	U	30	200 ST
Iron	80.3 B	82.9 B	UJ	**673**	53.2 B	200	300 ST
Lead	U	U	U	4.7 B	U	10	25 ST
Magnesium	3,200	--	4,120	4,150	1,960	500	35,000 GV
Manganese	20.9 B	--	14.7 B	191	29.8 B	50	300 ST
Mercury	U	U	U	0.033 B	U	0.20	0.7 ST
Nickel	1.5 B	U	U	3.2 B	U	50	100 ST
Potassium	8,940	--	16,300	26,000	34,200	100	--
Selenium	U	U	U	U	U	30	10 ST
Silver	U	U	U	U	U	30	50 ST
Sodium	15,900	--	**25,400**	**31,900**	**38,100**	100	20,000 ST
Thallium	U	U	U	U	U	20	0.5 GV
Vanadium	U	--	1.5 B	2.7 B	2.1 B	50	--
Zinc	15.5 B	U	U	UB	UB	50	2,000 GV
Total Iron and Manganese	101.2	82.9	14.7	**864**	83	--	500 ST
Alkalinity, Total (as CaCO3) in mg/L	--	--	95	150	120	--	--

Qualifiers
U: Not detected
B: Detected between the Instrument Detection Limit (IDL) and the Contract Required Detection Limit (CRDL)
UB: Result qualified as non-detect based on validation criteria
J: Estimated value

Notes:
ug/l : Micrograms per liter
mg/l : Milligrams per liter
-- : Not analyzed or established
bold : Exceeds Class GA Groundwater Standard (ST) or Guidance Value (GV)

APPENDIX B-1

FIELD FORMS
FIELD OBSERVATION LOGS

D&B ENGINEERS AND ARCHITECTS, P.C.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Chemical Pollution Control, LLC of NY DATE September 26, 2017

SAMPLE ID: MW-01_09/26/17
WELL ID: MW-01
SAMPLERS: Keith Robins

Time On-site: 1:15 p.m.

Time Off-site: 2:00 p.m.

Depth of well (from top of casing) ..... 17.10 ft Time:
Initial static water level (from top of casing) ..... 12.00 ft Time:

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Disp.	
Submersible Pump		Disposable Bladder Pump (Low Flow)	X

Well Volume Calculation:

2 in. casing: _____ ft. of water x 0.16 = _____ gallons
3 in. casing: _____ ft. of water x 0.36 = _____ gallons
4 in. casing: 5.10 ft. of water x 0.65 = 3.3 gallons

volume of water removed: 5 gal. >3 volumes: yes ____ no X purged dry? yes ____ no X

Field Tests

Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.73	20.56	0.312	184	6.00	208
2,500 ml	6.61	20.36	0.311	140	5.59	223
5,000 ml	6.85	20.32	0.277	16	7.41	213
7,500 ml	6.69	20.22	0.273	9	6.54	222
10,000 ml	6.55	20.03	0.267	4	6.09	229
12,500 ml	6.78	20.02	0.253	0	6.30	217
15,000 ml	6.42	20.03	0.251	0	6.55	236
17,500 ml	6.70	19.92	0.247	0	6.98	220
20,000 ml	6.70	19.93	0.247	0	5.81	221

Sampling

Time of Sample Collection: 2:00 p.m.

Method:
- ____ Stainless steel bailer
- ____ Teflon bailer
- ____ Pos. Disp. Pump
- ____ Disposable bailer
- X Peristaltic pump
- ____ Other: Disposable Bladder Pump (Low Flow)

Analyses:
- X TCL VOCs 602 _____ 503 _____ Other _____
- X TCL SVOCs
- X Target Analyte List Metals
- X Alkalinity

Observations

Weather/Temperature: Cloudy, mild 70-75ºF
Sample description: Clear, no odor
Free Product? yes ____ no X describe
Sheen? yes ____ no X describe
Odor? yes ____ no X describe

Comments:

Flow rate: 500 ml/min. Purge water discharged to ground. PID = 1.5 ppm.

D&B ENGINEERS AND ARCHITECTS, P.C.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Chemical Pollution Control, LLC of NY DATE September 26, 2017

SAMPLE ID: MW-03R_09/26/17
WELL ID: MW-03R
SAMPLERS: Keith Robins

Time On-site: 8:20 a.m.

Time Off-site: 9:00 a.m.

Depth of well (from top of casing) ..... 20.00 ft Time:
Initial static water level (from top of casing) ..... 14.20 ft Time:

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Disp.	
Submersible Pump		Disposable Bladder Pump (Low Flow)	X

Well Volume Calculation:

2 in. casing: 5.80 ft. of water x 0.16 = 2.76 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed: 4.5 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.33	18.63	0.436	421	6.46	156
2,500 ml	6.06	18.08	0.440	122	4.40	162
5,000 ml	6.09	17.98	0.432	0	5.15	159
7,500 ml	6.09	17.98	0.433	0	5.01	159
10,000 ml	6.21	17.90	0.432	0	5.02	152
12,500 ml	6.16	17.88	0.433	0	4.10	155
15,000 ml	6.14	17.88	0.433	0	4.15	154
17,500 ml	6.15	17.92	0.433	0	4.00	153

Sampling

Time of Sample Collection: 9:00 a.m.

Method:
- Stainless steel bailer
- Teflon bailer
- Pos. Disp. Pump
- Disposable bailer
- Dedicated pump
- X Other: Disposable Bladder Pump (Low Flow)

Analyses:
- X TCL VOCs 602 503 Other
- X TCL SVOCs
- X Target Analyte List Metals
- X Alkalinity

Observations

Weather/Temperature: Cloudy, mild 70-75ºF
Sample description: Clear, no odors
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments:

Flow rate: 500 ml/min. Purge water discharged to ground. PID = 0.0 ppm. Collected blind duplicate sample

D&B ENGINEERS AND ARCHITECTS, P.C.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Chemical Pollution Control, LLC of NY DATE September 26, 2017

SAMPLE ID: MW-04R_09/26/17
WELL ID: MW-04R
SAMPLERS: Keith Robins

Time On-site: 9:30 a.m.

Time Off-site: 10:15 a.m.

Depth of well (from top of casing) ..... 20.00 ft Time:
Initial static water level (from top of casing) ..... 14.15 ft Time:

Purging Method

Airlift		Centrifugal			
Bailer		Pos. Disp.			
Submersible Pump		Disposable Bladder Pump (Low Flow)	X		

Well Volume Calculation:

2 in. casing: 5.85 ft. of water x 0.16 = 2.8 gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: ft. of water x 0.65 = gallons

volume of water removed: 4.6 gal. >3 volumes: yes ____ no X purged dry? yes ____ no X

Field Tests

Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.46	18.37	0.448	38	8.61	154
2,500 ml	6.44	18.38	0.449	33	8.29	155
5,000 ml	6.42	17.90	0.474	0	7.91	157
7,500 ml	6.42	17.87	0.475	0	7.73	159
10,000 ml	6.46	18.01	0.475	0	6.94	158
12,500 ml	6.58	18.58	0.484	0	7.95	156
15,000 ml	6.62	18.63	0.486	0	7.91	154
17,500 ml	6.62	18.63	0.485	0	7.61	155

Sampling

Time of Sample Collection: 10:00 a.m.

Method:
- ____ Stainless steel bailer
- ____ Teflon bailer
- ____ Pos. Disp. Pump
- ____ Disposable bailer
- ____ Dedicated pump
- X Other: Disposable Bladder Pump (Low Flow)

Analyses:
- X TCL VOCs 602 ____ 503 ____ Other ____
- X TCL SVOCs
- X Target Analyte List Metals
- X Alkalinity

Observations

Weather/Temperature: Cloudy, mild 70-75ºF
Sample description: Clear, no odors
Free Product? yes ____ no X describe
Sheen? yes ____ no X describe
Odor? yes ____ no X describe

Comments:

Flow rate: 500 ml/min. Purge water discharged to ground. PID = 0.0 ppm. Collected MS/MSD sample.

D&B ENGINEERS AND ARCHITECTS, P.C.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Chemical Pollution Control, LLC of NY DATE September 26, 2017

SAMPLE ID: MW-06_09/26/17
WELL ID: MW-06
SAMPLERS: Keith Robins

Time On-site: 10:40 a.m.

Time Off-site: 12:00 p.m.

Depth of well (from top of casing) ..... 21.70 ft Time:
Initial static water level (from top of casing) ..... 14.07 ft Time:

Purging Method

Airlift		Centrifugal			
Bailer		Pos. Disp.			
Submersible Pump		Disposable Bladder Pump (Low Flow)	X		

Well Volume Calculation:

2 in. casing: ft. of water x 0.16 = gallons
3 in. casing: ft. of water x 0.36 = gallons
4 in. casing: 7.63 ft. of water x 0.65 = 5 gallons

volume of water removed: 8 gal. >3 volumes: yes no X purged dry? yes no X

Field Tests

Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	7.02	19.09	0.366	0	6.09	119
4,000 ml	6.77	17.68	0.369	0	4.08	23
8,000 ml	6.82	17.36	0.355	0	5.71	11
12,000 ml	6.79	17.39	0.353	0	5.30	4
16,000 ml	6.79	17.12	0.350	0	4.62	-9
20,000 ml	6.79	17.13	0.348	0	4.61	-15
24,000 ml	6.95	17.13	0.341	0	5.70	-12
28,000 ml	6.78	17.09	0.341	0	4.83	-6

Sampling

Time of Sample Collection: 11:40 a.m.

Method:
- Stainless steel bailer
- Teflon bailer
- Pos. Disp. Pump
- Disposable bailer
- Dedicated pump
- X Other: Disposable Bladder Pump (Low Flow)

Analyses:
- X TCL VOCs 602 503 Other
- X TCL SVOCs
- X Target Analyte List Metals
- X Alkalinity

Observations

Weather/Temperature: Cloudy, mild 70-75ºF
Sample description: Slightly cloudy - clear, no odor
Free Product? yes no X describe
Sheen? yes no X describe
Odor? yes no X describe

Comments:

Flow rate: 500 ml/min. Purge water discharged to ground. PID = 0.0 ppm.

D&B ENGINEERS AND ARCHITECTS, P.C.

FIELD OBSERVATION LOG
GROUNDWATER SAMPLING RECORD

SITE Chemical Pollution Control, LLC of NY DATE September 26, 2017

SAMPLE ID: MW-07_09/26/17
WELL ID: MW-07
SAMPLERS: Keith Robins

Time On-site: 12:05 p.m.

Time Off-site: 1:15 p.m.

Depth of well (from top of casing) ..... 21.50 ft Time:
Initial static water level (from top of casing) ..... 14.01 ft Time:

Purging Method

Airlift		Centrifugal	
Bailer		Pos. Disp.	
Submersible Pump		Disposable Bladder Pump (Low Flow)	X

Well Volume Calculation:

2 in. casing: ____ ft. of water x 0.16 = ____ gallons
3 in. casing: ____ ft. of water x 0.36 = ____ gallons
4 in. casing: 7.49 ft. of water x 0.65 = 5 gallons

volume of water removed: 7 gal. >3 volumes: yes ____ no X purged dry? yes ____ no X

Field Tests

Volume of Purge Water (in ml)	pH	Temp (°C)	Spec. Cond. (ms/cm)	Turbidity (NTUs)	Dissolved Oxygen (mg/l)	ORP (mv)
Initial	6.94	18.88	0.273	94	6.20	365
4,000 ml	6.95	18.34	0.273	30	6.08	361
8,000 ml	6.86	17.79	0.280	0	5.68	347
12,000 ml	6.89	18.08	0.281	0	5.55	330
16,000 ml	6.95	18.10	0.281	0	5.55	324
20,000 ml	7.12	17.92	0.279	0	6.44	303
24,000 ml	6.98	17.80	0.280	0	5.61	296
28,000 ml	6.95	18.04	0.279	0	5.22	294

Sampling

Time of Sample Collection: 1:05 p.m.

Method:
- ____ Stainless steel bailer
- ____ Teflon bailer
- ____ Pos. Disp. Pump
- ____ Disposable bailer
- X Peristaltic pump
- ____ Other: Disposable Bladder Pump (Low Flow)

Analyses:
- X TCL VOCs 602 ____ 503 ____ Other ____
- X TCL SVOCs
- X Target Analyte List Metals
- X Alkalinity

Observations

Weather/Temperature: Cloudy, mild 70-75ºF
Sample description: Clear, no odors
Free Product? yes ____ no X describe ____
Sheen? yes ____ no X describe ____
Odor? yes ____ no X describe ____

Comments:

Flow rate: 500 ml/min. Purge water discharged to ground. PID = 0.0 ppm.

APPENDIX B-2

FIELD FORMS
DAILY EQUIPMENT CALIBRATION LOGS

D&B ENGINEERS AND ARCHITECTS, P.C.

DAILY EQUIPMENT CALIBRATION LOG

Date: September 26, 2017

Project Name: Chemical Pollution Control, LLC of New York

Project Number: 2786-P5 Calibrated by: K. Robins

Instrument Name and Model Number	Calibration Method	Time	Readings and Observations
Horiba Water Meter U-52	Buffer 4.0 solution, Autocal	7:45 a.m.	Calibrated pH, dissolved oxygen, turbidity, conductivity
RAE 3000 PID Meter	100 ppm Isobutylene gas	7:45 a.m.	Calibrated to 100 ppm and zero air

APPENDIX B-3

WELL CONDITION REPORTS

D&B ENGINEERS AND ARCHITECTS, P.C.

MONITORING WELL INSPECTION CHECKLIST

Well No. MW-01

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact			Not visible at grade
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	X		
Standpipe - Intact			N/A
Lock - Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector Signature Keith Robins

Date of Inspection September 26, 2017

D&B ENGINEERS AND ARCHITECTS, P.C.

MONITORING WELL INSPECTION CHECKLIST

Well No. MW-03R

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked	X		Corner of concrete pad cracked
Missing		X	
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	X		
Standpipe - Intact			N/A
Lock - Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector Signature Keith Robins

Date of Inspection September 26, 2017

D&B ENGINEERS AND ARCHITECTS, P.C.

MONITORING WELL INSPECTION CHECKLIST

Well No. MW-04R

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked		X	
Missing		X	
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	X		
Standpipe - Intact			N/A
Lock - Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector Signature Keith Robins

Date of Inspection September 26, 2017

D&B ENGINEERS AND ARCHITECTS, P.C.

MONITORING WELL INSPECTION CHECKLIST

Well No. MW-06

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked		X	
Missing		X	
2. Ponding of Water Around Concrete Seal	X		
3. Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	X		
Standpipe - Intact			N/A
Lock - Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector Signature Keith Robins

Date of Inspection September 26, 2017

D&B ENGINEERS AND ARCHITECTS, P.C.

MONITORING WELL INSPECTION CHECKLIST

Well No. MW-07

	Yes	No	Remarks
1. Surface Concrete Seal			
Intact	X		
Cracked		X	
Missing		X	
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	X		
Standpipe - Intact			N/A
Lock - Intact	X		
4. Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector Signature Keith Robins

Date of Inspection September 26, 2017

APPENDIX C

CHAIN OF CUSTODY FORM

SC 39685

eurofins | Spectrum Analytical

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:

☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: Standard

All TATs subject to laboratory approval
Min. 24-hr notification needed for rushes
Samples disposed after 30 days unless otherwise instructed.

Report To: D+B Engineers + Architects, P.C, 330 Crossways Park Drive, Woodbury NY 11797
Telephone #: 516 364-9890
Project Mgr: Mike Hofgren

Invoice To: D+B Engineers + Architects, P.C, 330 Crossways Park Drive, Woodbury, New York 11797
P.O No.: 2786 Quote #:

Project No: 2786
Site Name: PSC
Location: 120 South Fourth Street State: NY
Sampler(s): Keith Robins

F=Field Filtered 1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=Deionized Water 10=H_3PO_4 11=___ 12=___

DW=Drinking Water GW=Groundwater SW=Surface Water WW=Waste Water
O=Oil SO=Soil SL=Sludge A=Indoor/Ambient Air SG=Soil Gas
X1=___ X2=___ X3=___

G=Grab C=Composite

List Preservative Code below: I6 | I6 | I6 | I6

Lab ID:	Sample ID:	Date:	Time:	Type	Matrix	# of VOA Vials (HCl)	# of Amber Glass	# of Clear Glass	# of Plastic HNO_3	Plastic - unpreserved	TCL VOCs	TCL SVOCs	TAL Metals	Alkalinity	Check if chlorinated
39685-01	Trip Blank-9/26/17	9/26/17	—	—	AQ	2	—	—	—	—	✓	X	X	X	☐
-02	MW-03R-9/26/17	9/26/17	0900	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-03	Blind Duplicate-9/26/17	9/26/17	0000	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-04	MW-04R-9/26/17 (MS)	9/26/17	10:10 am	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
↓	MW-04R-9/26/17 (MSD)	9/26/17	10:10 am	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-05	MW-06-9/26/17	9/26/17	11:40 am	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-06	MW-07-9/26/17	9/26/17	1:05 pm	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-07	MW-01-9/26/17	9/26/17	2:00 pm	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-08	Field Blank-9/26/17	9/26/17	12:00 pm	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐
-04	MW-04R-9/26/17	9/26/17	10:10 am	G	GW	3	1	—	1	1	✓	✓	✓	✓	☐

QA/QC Reporting Notes:
* additional charges may appply

MA DEP MCP CAM Report? ☐ Yes ☐ No
CT DPH RCP Report? ☐ Yes ☐ No
☐ Standard ☐ No QC
☐ DQA*
☐ ASP A* ☐ ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ Tier II* ☐ Tier IV*
☒ Other: Category B deliverables
State-specific reporting standards:

Relinquished by:	Received by:	Date:	Time:	Temp °C
Keith Robins		09/26/17	3:00 pm	Observed 3.2
fedex	[illegible]	9/27/17	1000	Correction Factor 0
				Corrected 3.2
				IR ID # 9

☐ EDD format:
☒ E-mail to: MHofgren@db-eng.com

Condition upon receipt: Custody Seals: ☐ Present ☐ Intact ☐ Broken
☐ Ambient ☒ Iced ☐ Refrigerated ☐ DI VOA Frozen ☐ Soil Jar Frozen

APPENDIX D

DATA VALIDATION FORMS

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION CHECKLIST

Project Name:	Chemical Pollution Control, LLC of New York
Project Number:	2786-P5
Sample Date(s):	September 28, 2017
Sample Team:	KR
Matrix/Number of Samples:	Water / 5 Blind Duplicate / 1 Trip Blank / 1 Field Blank / 1
Analyzing Laboratory:	Eurofins Spectrum Analytical, Inc., Agawam, MA
Analyses:	Volatile Organic Compounds (VOCs): by SW-846 8260C Semivolatile Organic Compounds (SVOCs): by SW-846 8270D Metals: by SW-846 6010C and SW7010 and mercury by SW-846 7470A Wet Chemistry: Alkalinity by SM 2320B
Laboratory Report No:	SC39685 Date: 11/17/2017

ANALYTICAL DATA PACKAGE DOCUMENTATION
GENERAL INFORMATION

	Reported		Performance Acceptable		Not
	No	Yes	No	Yes	Required
1 Sample results		X		X	
2. Parameters analyzed		X		X	
3. Method of analysis		X		X	
4. Sample collection date		X		X	
5. Laboratory sample received date		X		X	
6. Sample analysis date		X		X	
7. Copy of chain-of-custody form signed by Lab sample custodian		X		X	
8. Narrative summary of QA or sample problems provided		X		X	

QA - quality assurance

Comments:
A validation was conducted on the data package and any applicable qualification of the data was determined using the USEPA National Functional Guidelines of Organic Data Review (January 2017) or USEPA National Functional Guidelines of Inorganic Data Review (January 2017), method performance criteria, and D&B Engineers and Architects, P.C.'s professional judgment. The qualification of data discussed within this data validation checklist did not impact the usability of the sample results.

D&B ENGINEERS AND ARCHITECTS, P.C.

Custody Numbers: SC39685
SAMPLE AND ANALYSIS LIST

Sample ID	Lab ID	Parent ID	Sample Collection Date	Analysis		
				VOCs	SVOCs	Metals & Wet Chem
TRIP BLANK	SC39685-01		9/26/16	X		
MW-3R*	SC39685-02		9/26/16	X	X	X
BLIND DUPLICATE	SC39685-03	MW-3R	9/26/16	X	X	X
MW-4R	SC39685-04		9/26/16	X	X	X
MW-6	SC39685-05		9/26/16	X	X	X
MW-7	SC39685-06		9/26/16	X	X	X
MW-1	SC39685-07		9/26/16	X	X	X
FIELD BLANK	SC39685-08		9/26/16	X	X	X

*: Run as MS/MSD.

ORGANIC ANALYSES
VOCs

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Trip blanks		X	X		
C. Field blanks		X		X	
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Field Duplicate Results		X		X	

VOCs - volatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:

Performance was acceptable, with the following exceptions:

2B. Acetone was detected in the TRIP BLANK. Since acetone was not detected in the samples, qualification of the data was not necessary.

3&4. The %Rs for chlorobenzene, 4-chlorotoluene, 1,2-dichlorobenzene, 1,4-dichlorobenzene, ethylbenzene, 4-isopropyltoluene, n-propylbenzene and o-xylene were above the QC limits in the MS and/or MSD. Since these compounds were not detected in the samples, qualification of the data was not necessary.

6. The %Rs for 2,2-dichloropropane and iodomethane were below the QC limit in the LCS. As a result, 2,2-dichloropropane and iodomethane were qualified as an estimated detection limit (UJ) in all samples.

ORGANIC ANALYSES
SVOCs

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Method blanks		X		X	
B. Field blanks		X	X		
3. Matrix spike (MS) %R		X	X		
4. Matrix spike duplicate (MSD) %R		X	X		
5. MS/MSD precision (RPD)		X		X	
6. Laboratory control sample (LCS) %R		X	X		
7. Surrogate spike recoveries		X		X	
8. Field Duplicate Results		X		X	

SVOCs –semivolatile organic compounds
%R - percent recovery
%D - percent difference
%RSD - percent relative standard deviation
RRF - relative response factor
RPD - relative percent difference

Comments:

Performance was acceptable, with the following exceptions:

2B. Di-n-butyl phthalate was detected in the FIELD BLANK. Since this compound was not detected in the samples, qualification of the data was not necessary.

3,4&6. The %Rs were below the QC limits for bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, 2,4-dinitrophenol and phenol in the LCS, LCS duplicate, MS and/or MSD. As a result, bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, 2,4-dinitrophenol and phenol were qualified as an estimated detection limit (UJ) in all samples.

The RPDs for butylbenzylphthalate and pyrene were above QC in LSC/LSCD. Since these compounds were not detected in the samples, qualification of the data was not necessary.

INORGANIC ANALYSES
METALS & Wet Chem

	Reported		Performance Acceptable		Not Required
	No	Yes	No	Yes	
1. Holding times		X		X	
2. Blanks					
A. Preparation and calibration blanks		X		X	
B. Field blanks		X	X		
3. Laboratory control sample %R		X		X	
4. Spike sample %R		X		X	
5. Duplicate RPD		X		X	
6. Field Duplicate Results		X		X	

%R - percent recovery %D - percent difference RPD - relative percent difference

Comments:

Performance was acceptable, with the following exception:

2B. Aluminum, calcium, lead, potassium and sodium were detected in the Field Blank. Based on sample concentrations, qualification of the data was not necessary.

D&B ENGINEERS AND ARCHITECTS, P.C.

DATA VALIDATION AND QUALIFICATION SUMMARY **Laboratory Numbers: SC39685**

Sample ID	Analyte(s)	Qualifier	Reason(s)
VOCs			
All samples	2,2-Dichloropropane and iodomethane	UJ	The %Rs were below the QC limit in the LCS
SVOCs			
All samples	Bis(2-chloroethoxy)methane, bis(2-chloroethyl)ether, bis(2-chloroisopropyl)ether, 2,4-dinitrophenol and phenol	UJ	The %Rs were below the QC limits in the LCS, LCS duplicate, MS and/or MSD.
Metals			
No qualification of the data was necessary.			

VALIDATION PERFORMED BY & DATE:	Donna M. Brown 11/3/2017
VALIDATION PERFORMED BY SIGNATURE: