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June 16, 2016

Mr. William Welling, Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233 - 7013

Re: Mr. C's Dry Cleaners Site, NYSDEC Site Number 9-15-157,
Work Assignment D007617-11, 2016 Interim Groundwater Monitoring Results

Dear Mr. Welling:

Ecology and Environment Engineering, P.C. (EEEPC) is pleased to provide this interim Groundwater Monitoring Results report for the Mr. C's Dry Cleaners Site. The report presents the analytical results for samples collected in April and May 2016. The groundwater monitoring effort, analytical requirements, and quality assurance/quality control (QA/QC) review were performed in accordance with the approved Site Management Plan (SMP; February 2015). At the request of the New York State Department of Environmental Conservation (NYSDEC), the complete results from this 2016 groundwater monitoring event will be presented in the 2016 Periodic Review Report. This letter report presents a summary of the analytical results, pertinent field information, validation of the analytical results, and a discussion of the findings.

The groundwater monitoring program around the Mr. C's site has been performed under EEEPC's Standby Contract since 2003. Based on the analytical results for samples collected during this period, the groundwater beneath and around the Mr. C's site continues to contain elevated levels of several volatile organic compounds (VOCs), including chlorinated solvents, their breakdown by-products, and aromatic hydrocarbons. The primary contaminant of concern (COC) in the groundwater is tetrachloroethene (PCE).

Fieldwork was performed by EEEPC personnel from April 25 through May 2, 2016. The groundwater sampling was performed at this time to evaluate the contamination concentrations after the groundwater treatment system had been deactivated for three months.

A total of 28 wells and four piezometers in the network were sampled during the April/May 2016 interim groundwater monitoring event. Duplicate samples for analytical QC were taken from monitoring well MPI-4S and piezometer PZ-3B.

Well Purging and Sampling Procedures

The sampled monitoring wells and piezometers were purged prior to sampling in accordance with Appendix I of the SMP, which requires that all wells be pumped using one of two methods: low-flow purging and sampling, or standard purging and sampling. The monitoring wells and piezometers sampled during the 2016 sampling event were sampled using the low-flow sampling method. Thirteen of the monitoring wells (MPI-12B, PW-7, MW-4, MW-5, ESI-4/EE-1, MW-10, MW-14, MPI-10B, ESI-1/ESI-1 replacement, RW-1, EE-4, MPI-5I, and MW-6) and one piezometer (PZ-5B) were not sampled due to field access issues.

The monitoring wells were purged using a submersible pump with new or dedicated polyethylene tubing or disposable polyethylene bailers on new polypropylene line. New polypropylene line was used for the bioremediation performance monitoring wells and piezometers. Before purging, static water levels were measured to within ±0.01 foot in each well using a Solinst water level meter.

The monitoring wells were purged of approximately three to five times the volume (or more) of water standing in the well. Purged water from the monitoring wells was containerized and transported to the on-site treatment facility for processing. Temperature, pH, specific conductance, turbidity, and oxygen reduction potential were measured and recorded, at a minimum, before purging, after each well volume was purged, and just before sampling using a LaMotte 2020 turbidity meter, YSI Pro Plus Quatro flow-through cell, and/or a Myron 6P Ultrameter II (water parameter kit). Purging was performed until pH, specific conductance, and temperature had stabilized and turbidity was 50 nephelometric turbidity units or less. The individual well purge and sampling field records prepared by EEEPC are provided in Attachment A. The water level in each piezometer and monitoring well was also recorded by the Iyer Environmental Group, PLLC (IEG) during the three-month period of treatment system deactivation. The IEG field records are provided in Attachment B.

The samples collected as part of the interm monitoring program were analyzed for VOCs by Eurofins Spectrum Analytical, Inc. (formerly Spectrum Analytical, Inc.) using U.S. Environmental Protection Agency (EPA) Method 8260. A summary of the positive detections of VOCs is presented in Table 1. The complete analytical results for the sampling event will be provided in electronic form through EQUIS, and a copy of the laboratory reports will be provided in the 2016 Periodic Review Report.

Groundwater Monitoring Results

Figures 1 and 2 summarize historical and recent event VOC concentrations detected across the site. Figures 3 and 4 summarize PCE and total VOCs in groundwater and were generated using Surfer modeling software. Figure 3 is based on Surfer software modeling interpretation of the iso-contours and shows the PCE contaminant plume. The iso-contours on Figure 4 represents PCE and the total of the other detected VOCs within the plume, including: trichloroethene [TCE], cis-1,2-dichloroethene [cis-DCE], trans-1,2-dichloroehtene [trans-DCE], 1,1-dichloroethene, and vinyl chloride. Figures 5A, 5B, and 5C present groundwater contour isopleth maps developed from the depth-to-groundwater measurements taken by IEG for March, April, and May of 2016. Figure 5D presents a groundwater contour isopleth map developed from depth-to-groundwater measurements taken by EEEPC in April 2016.

Table 1 provides the analytical results for the groundwater samples from each monitoring well. Bold values shown in the table denote positive analytical results. Highlighted boxes in the table denote values that exceed either NYSDEC's groundwater standards or guidance values.[1]

The groundwater monitoring results are summarized below.

- Seven VOCs (chloroform, PCE, TCE, cis-DCE, trans-DCE, vinyl chloride, and methyl-tert-butyl [MTBE]) were detected in the April/May 2016 groundwater samples at levels that exceed their NYSDEC Class GA groundwater standards and the guidance values used to screen the groundwater data.
- Three VOCs (1,1,1-trichloroethane, acetone, and methyl acetate) were detected in the April/May 2016 groundwater samples. These compounds either have no applicable standard or guidance value or were detected at levels below their NYSDEC Class GA groundwater standards and below the guidance values used to screen the groundwater data.
- PCE was detected above the groundwater standard (5 micrograms per liter [µg/L]) in 15 well samples and three piezometer samples collected across the site. The highest concentration of PCE (5,600 µg/L) was detected in a sample collected from piezometer PZ-5A. Historically, the highest concentration of PCE has been detected in samples collected from monitoring wells MPI-6S and PW-6. PCE in MPI-6S has been reduced from 6,800 µg/L in 2012, before bioremediation, to non-detectable in the April/May 2016 sample.
- TCE was detected above the groundwater standard (5 µg/L) in six well samples and three piezometer samples collected across the site. The highest concentration of TCE, 210 µg/L, was detected in the sample collected from monitoring well EE-2.
- cis-DCE was detected above the groundwater standard (5 µg/L) in 10 well samples and two piezometer samples collected across the site. The highest concentration of cis-DCE (910 µg/L) was detected in the sample collected from piezometer PZ-6A.
- trans-DCE was detected in the sample collected from MW-8 at a concentration of 13 µg/L, above the groundwater standard of 5 µg/L.
- Vinyl chloride was detected above its groundwater standard (2 µg/L) in five wells and one piezometer. The highest concentration of vinyl chloride (110 µg/L) was detected in a sample collected from monitoring well MPI-4I. Since 2013, vinyl chloride has increased in concentration in four monitoring wells and decreased in concentration in five monitoring wells. The results from the remaining monitoring wells and piezometers could not be compared to the guidance standards because they were not sampled in 2016.
- MTBE was detected above the groundwater guidance level (10 µg/L) in four wells and one piezometer. The highest concentration of MTBE (340 µg/L) was detected in well MPI-4I.

[1] New York State Department of Conservation. 1998. Division of Water Technical and Operational Guidance Series (1.1.1): *Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations,* Division of Water, Albany, New York.

Quality Control/Quality Assurance and Data Review

The analytical data were independently validated in accordance with the requirements of the Quality Assurance Project Plan (Appendix K of the SMP, February 2015). Any deviations from acceptable QC specifications are discussed in the Data Usability Summary Report provided as Attachment C. Field duplicates and matrix spike/matrix spike duplicates were collected for QA/QC purposes. Several results were qualified and one QA/QC issue was noted.

- The coolers associated with SDG R0366 were received at 6.2 and 6.5°C. However, based on professional judgment, this did not impact the usability of the data.
- Sample MW-7-APR16 was analyzed one day outside of the holding time, resulting in detected compounds qualified with J (estimated) and non-detected compounds qualified with UR (rejected non-detect). The April 2016 sample results were within the range of historical results for MW-7. These results are applicable for the analysis.
- Surrogate recovery was above the laboratory QC limits for sample PW-2-APR16, resulting in detected compounds qualified with J (estimated).
- PCE recovery was below the laboratory QC limits. However, the concentration was greater than four times the spike concentration; therefore, the results were reported without qualification.
- The following samples were diluted and reported with elevated reporting limits for all analytes: EE-2-APR16, ESI-6-APR16, MW-7-APR16, PW-5-APR16, PZ-5A-APR16, and PZ-6A-APR16. There were instances where the elevated reporting limit exceeded the screening level; therefore, analyte concentrations may exceed the screening level.
- Rinsate blanks were not collected from non-dedicated equipment.

In summary, no major concerns were encountered regarding the usability of the analytical data collected for this report.

Discussion of Findings

The April/May 2016 sampling was performed to assess the rebound, or increase, in contaminant levels that were expected to result from deactivation of the groundwater treatment system over a three-month period. Rebound is a phenomenon usually observed after pump-and-treat processes have stopped and sorbed chemicals equilibrate with aqueous concentrations. Pump-and-treat operations, such as those at the Mr. C's site, have several limitations, one of which is the sorption of chemicals on the soil matrix. Equilibrium is not always achieved instantaneously, but rather over a long period, which would explain why rebound occurs only after pump-and-treat stops. At the Mr. C's site, and especially in the vicinity of the recent bioremediation pilot study, rebound may also occur as PCE and its degradation products are reduced. For example, as the groundwater PCE concentration decreases, PCE sorbed to the soil matrix will move to reestablish equilibrium with the aqueous phase and PCE concentrations will rebound.

Increases in contaminant levels may also be caused by groundwater transport. The groundwater elevation isopleths developed during active pumping operations (see Figure 5 of the 2015 Long-term Groundwater Monitoring Report, October 2015) show groundwater drawdown and capture in the locations of active groundwater pumping systems. However, the 2016 groundwater

isopleths shown on Figures 5A, 5B, and 5C, which were developed based on data collected when the groundwater extraction system had been deactivated for three months, indicate groundwater flow to the west-northwest. The depth-to-groundwater measurements taken by EEEPC (Figure 5D), also with the groundwater treatment system deactivated, indicate groundwater flow to the northwest. The groundwater elevations during the April/May 2016 sampling period were approximately 1.5 to 2 feet higher than when the system was operational.

Prior to operation of the pump-and-treat system, the remedial investigation isopotential groundwater map showed a groundwater flow divide in the center of the site, which accounted for the branching of the contaminant plume, with one branch moving to the northwest and extending beyond the Town of Aurora Public Library, and one moving southwest to slightly beyond the First Presbyterian Church. The 2016 groundwater isopleths show additional evidence of this divide, which may affect transport at the edges of the contaminant plume. However, groundwater flow in the vicinity of the monitoring wells in which the highest concentrations of PCE and cis-DCE were detected in 2016 is in line with bulk groundwater flow to the west-northwest.

The analytical results of the 2016 sampling event were compared to the results of the 2015 sampling event, which occurred prior to deactivation of the groundwater treatment system. The results of the comparison of the 2015 and 2016 sample results are provided below.

- PCE increased in seven monitoring wells (EE-2, MPI-4S, MPI-15B, PW-6A, MPI-2S/MPI-2SR, ESI-3, and MPI-5S) and one piezometer (PZ-8C).
- PCE decreased in 16 monitoring wells (ESI-6, EE-3, MPI-4I, MPI-9S/MPI-9SR, MPI-14B/MPI-14BR, PW-5, PW-4, MPI-13B/MPI-13BR, PW-8, PW-6, MPI-1S, PW-2, MW-11, MPI-7I/MPI-IR, PW-3, and MW-7) and two piezometers (PZ-5A and PZ-3B).
- The analytical results for four monitoring wells (MPI-4I, MPI-9S/MPI-9SR, PW-8, and PW-2) showed a decrease in PCE but an increase in daughter products of PCE.
    - The results for monitoring wells MPI-4I and MPI-9S/MPI-9SR showed an increase in MTBE.
    - The results for monitoring well PW-8 showed an increase in only TCE.
    - The results for monitoring well PW-2 showed an increase in TCE and cis-DCE.
- The results for three monitoring wells (MPI-3S, MPI-6S, and MW-8) were nondetect in both 2015 and 2016; when compared to the results for 2014, PCE had decreased in all three wells.
- The PCE results for two monitoring wells (ESI-5/ESI-5R and ESI-2/ESI-2R) were non-detect for three or more sampling events; therefore, the concentration track for these wells could not be determined.

The Surfer-generated concentration contours on Figures 3 and 4 (PCE and Total VOCs in Groundwater) for 2015 and 2016 were generally similar. However, the contours indicate a continued increase in the amount of PCE breakdown by-products.

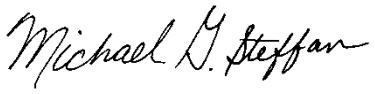
There is only limited evidence of PCE rebound stemming from pump-and-treat system shut-down. Of the eight wells/piezometers where PCE increases were observed, only four (ESI-3, MPI-4S, PW-6A, and PZ-8C) were within about 50 feet of a pumping well.

Increased PCE concentrations at sentinel well MPI-15B and wells on the fringe of the plume (MPI-5S and MPI-2S) are more likely to be a result of groundwater transport stemming from reduced hydraulic control in the absence of the pump-and-treat system.

If you have any questions or comments regarding this report, please contact me at (716) 684-8060.

Sincerely,

ECOLOGY AND ENVIRONMENT ENGINEERING, P.C.



Michael G. Steffan
Project Manager

Attachments

cc: Mr. Dave Szymanski, NYSDEC Region 9 – w/Attachments

TABLE

Table 1 Summary of Positive Analytical Results for Groundwater Samples
Mr. C's Dry Cleaners Site, East Aurora, New York

Analyte	Screening Criteria [1]	Notes	Location ID:	EE-2	EE-3	ESI-2-R	ESI-3	ESI-5-R	ESI-6	MPI-13B-R	MPI-14B-R	MPI-15B
			Sample Name:	APR16	APR16	MAY16	APR16	APR16	APR16	MAY16	MAY16	MAY16
			Depth:	22 - 32 ft	18 - 28 ft	9 - 19 ft	7 - 17 ft	5 - 15 ft	7 - 17 ft	17 - 32 ft	15 - 30 ft	0 - 0 ft
			Date:	04/27/16	04/29/16	05/02/16	04/26/16	04/27/16	04/29/16	05/02/16	05/02/16	05/02/16
Volatile Organics by Method SW8260C (µg/L)												
1,1,1-Trichloroethane	5			2.0 U	0.50 U	0.50 U	**1.2 J**	0.50 U	1.3 U	0.50 U	0.50 U	0.50 U
Acetone	50	G		8.8 U	2.2 U	2.2 U	2.2 U	2.2 U	5.5 U	2.2 U	2.2 U	2.2 U
Chloroform	7			1.3 U	0.33 U	0.33 U	0.33 U	0.33 U	0.83 U	0.33 U	0.33 U	0.33 U
Cis-1,2-Dichloroethylene	5			**200**	**11**	0.48 U	0.48 U	0.48 U	**7.6 J**	0.48 U	0.48 U	0.48 U
Methyl Acetate				1.2 U	0.29 U	0.29 U	0.29 U	0.29 U	0.73 U	0.29 U	0.29 U	0.29 U
Methyl tert-Butyl Ether (MTBE)	10	G		**13 J**	**20**	0.24 U	0.24 U	0.24 U	0.60 U	0.24 U	0.24 U	0.24 U
Tetrachloroethylene (PCE)	5			**400**	0.65 U	0.65 U	**150**	0.65 U	**240**	**2.1 J**	0.65 U	**7.2**
Trans-1,2-Dichloroethene	5			2.6 U	0.65 U	0.65 U	0.65 U	0.65 U	1.6 U	0.65 U	0.65 U	0.65 U
Trichloroethylene (TCE)	5			**210**	0.36 U	0.36 U	0.36 U	0.36 U	**14**	0.36 U	0.36 U	0.36 U
Vinyl Chloride	2			2.0 U	0.50 U	0.50 U	0.50 U	0.50 U	1.3 U	0.50 U	0.50 U	0.50 U

Key:

Qualifiers

J = Estimated value

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Notes

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µg/L = Micrograms per liter

"Q" denotes field duplicate sample

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2. Bold values denote positive hits.

3. Shaded cell exceeds groundwater standard.

Source: Ecology and Environment Engineering, P.C. 2016

Table 1 Summary of Positive Analytical Results for Groundwater Samples
Mr. C's Dry Cleaners Site, East Aurora, New York

Analyte	Screening Criteria [1]	Notes	Location ID:	MPI-1S	MPI-2S-R	MPI-3S	MPI-4I	MPI-4S	MPI-4S	MPI-5S	MPI-6S	MPI-7I-R
			Sample Name:	APR16	APR16	APR16	APR16	APR16	Q	APR16	APR16	APR16
			Depth:	9 - 19 ft	8 - 18 ft	8 - 18 ft	32 - 42 ft	11 - 21 ft	11 - 21 ft	8 - 18 ft	12 - 22 ft	29 - 39 ft
			Date:	04/29/16	04/29/16	04/29/16	04/28/16	04/28/16	04/28/16	04/25/16	04/28/16	04/25/16
Volatile Organics by Method SW8260C (µg/L)												
1,1,1-Trichloroethane	5			0.50 U	**3.0 J**	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Acetone	50	G		2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U	**7.4**	2.2 U
Chloroform	7			0.33 U	**7.7**	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U
Cis-1,2-Dichloroethylene	5			**2.4 J**	0.48 U	0.48 U	**290**	**11**	**11**	**4.2 J**	**27**	0.48 U
Methyl Acetate				0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	0.29 U	**1.8 J**	0.29 U
Methyl tert-Butyl Ether (MTBE)	10	G		0.24 U	0.24 U	**27**	**340**	0.24 U	0.24 U	0.24 U	0.24 U	0.24 U
Tetrachloroethylene (PCE)	5			**18**	**2.5 J**	0.65 U	**9.1**	**4.9 J**	**4.2 J**	**33**	0.65 U	0.65 U
Trans-1,2-Dichloroethene	5			0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	0.65 U	**2.8 J**	**1.7 J**	0.65 U
Trichloroethylene (TCE)	5			0.36 U	0.36 U	0.36 U	**4.3 J**	0.36 U	0.36 U	**6.5**	0.36 U	0.36 U
Vinyl Chloride	2			0.50 U	0.50 U	0.50 U	**110**	**1.7 J**	**1.5 J**	**2.3 J**	**13**	0.50 U

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2. Bold values denote positive hits.

3. Shaded cell exceeds groundwater standard.

Source: Ecology and Environment Engineering, P.C. 2016

Table 1 Summary of Positive Analytical Results for Groundwater Samples
Mr. C's Dry Cleaners Site, East Aurora, New York

Analyte	Screening Criteria [1]	Notes	Location ID:	MPI-8S-R	MPI-9S-R	MW-11	MW-7	MW-8	PW-2	PW-3	PW-4	PW-5
			Sample Name:	APR16	APR16	APR16	APR16	APR16	APR16	APR16	APR16	APR16
			Depth:	8 - 18 ft	8 - 18 ft	10 - 20 ft	5 - 15 ft	5 - 15 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft
			Date:	04/28/16	04/28/16	04/26/16	04/26/16	04/25/16	04/26/16	04/26/16	04/26/16	04/26/16
Volatile Organics by Method SW8260C (µg/L)												
1,1,1-Trichloroethane	5			0.50 U	0.50 U	0.50 U	5.0 UR	0.50 U	0.50 U	0.50 U	0.50 U	2.5 U
Acetone	50	G		2.2 U	2.2 U	2.2 U	22 UR	2.2 U	**8.8 J**	**11**	**17**	11 U
Chloroform	7			0.33 U	0.33 U	0.33 U	3.3 UR	0.33 U	0.33 U	0.33 U	0.33 U	1.7 U
Cis-1,2-Dichloroethylene	5			**62**	0.48 U	0.48 U	4.8 UR	**17**	**1.1 J**	0.48 U	0.48 U	**120**
Methyl Acetate				0.29 U	0.29 U	0.29 U	2.9 UR	0.29 U	0.29 U	0.29 U	0.29 U	1.5 U
Methyl tert-Butyl Ether (MTBE)	10	G		0.24 U	**7.5**	0.24 U	2.4 UR	0.24 U	0.24 U	0.24 U	0.24 U	1.2 U
Tetrachloroethylene (PCE)	5			**140**	0.65 U	**1100**	**600 J**	0.65 U	**270**	**2.3 J**	**120**	**620**
Trans-1,2-Dichloroethene	5			**2.2 J**	0.65 U	0.65 U	6.5 UR	**13**	0.65 U	0.65 U	0.65 U	3.3 U
Trichloroethylene (TCE)	5			**13**	0.36 U	**3.6 J**	3.6 UR	**2.3 J**	**2.4 J**	0.36 U	**1.6 J**	**59**
Vinyl Chloride	2			**1.4 J**	0.50 U	0.50 U	5.0 UR	**8.4**	0.50 U	0.50 U	0.50 U	2.5 U

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2. Bold values denote positive hits.

3. Shaded cell exceeds groundwater standard.

Source: Ecology and Environment Engineering, P.C. 2016

Table 1 Summary of Positive Analytical Results for Groundwater Samples
Mr. C's Dry Cleaners Site, East Aurora, New York

Analyte	Screening Criteria [1]	Notes	Location ID:	PW-6	PW-8	PZ-3B	PZ-3B	PZ-5A	PZ-6A	PZ-8C
			Sample Name:	APR16	APR16	APR16	Q	APR16	APR16	APR16
			Depth:	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft	18 - 28 ft
			Date:	04/26/16	04/26/16	04/26/16	04/26/16	04/28/16	04/27/16	04/27/16
Volatile Organics by Method SW8260C (µg/L)										
1,1,1-Trichloroethane	5			0.50 U	0.50 U	0.50 U	0.50 U	20 U	5.0 U	0.50 U
Acetone	50	G		**12**	2.2 U	2.2 U	2.2 U	88 U	22 U	2.2 U
Chloroform	7			0.33 U	0.33 U	0.33 U	0.33 U	13 U	3.3 U	0.33 U
Cis-1,2-Dichloroethylene	5			**1.3 J**	**66**	**0.87 J**	0.48 U	19 U	**910**	**19**
Methyl Acetate				0.29 U	0.29 U	0.29 U	0.29 U	12 U	2.9 U	0.29 U
Methyl tert-Butyl Ether (MTBE)	10	G		0.24 U	**1.2 J**	0.24 U	0.24 U	9.6 U	2.4 U	**36**
Tetrachloroethylene (PCE)	5			**27**	**60**	**140**	**130**	**5600**	**790**	**3.7 J**
Trans-1,2-Dichloroethene	5			0.65 U	0.65 U	0.65 U	0.65 U	26 U	6.5 U	0.65 U
Trichloroethylene (TCE)	5			0.36 U	**11**	**6.3**	**5.4**	**75 J**	**120**	0.36 U
Vinyl Chloride	2			0.50 U	**2.9 J**	0.50 U	0.50 U	20 U	5.0 U	**57**

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Source: Ecology and Environment Engineering, P.C. 2016

FIGURES

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EE-2	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Chloroform	0.346 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	1660 ug/L	670 ug/L	130 ug/L	83 ug/L(J)	54 ug/L	52 ug/L	31 ug/L	19 ug/L	13 ug/L(J)
Methylene chloride	0.208 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	0.387 ug/L	ND	ND	ND	ND	ND	2.2 ug/L(J)	97 ug/L	400 ug/L
Trihalomethanes, Total	0.346 ug/L	ND	ND	NA	ND	ND	ND	ND	ND
Vinyl chloride	–	ND	38 ug/L	12 ug/L(J)	18 ug/L	9.9 ug/L(J)	8.2 ug/L	4.7 ug/L(J)	ND
cis-1,2-Dichloroethene	–	ND	ND	6.7 ug/L(J)	190 ug/L	210 ug/L	260 ug/L	230 ug/L	200 ug/L
1,1-Dichloroethane	NA	NA	NA	NA	1.0 ug/L(J)	ND	0.96 ug/L(J)	0.82 ug/L(J)	ND
1,1-Dichloroethene	NA	NA	NA	NA	.98 ug/L(J)	ND	1.1 ug/L(J)	0.80 ug/L(J)	ND
Chloromethane	NA	NA	NA	NA	1.0 ug/L(J)	ND	ND	ND	ND
Trichloroethylene (TCE)	NA	NA	NA	NA	25 ug/L	71 ug/L	74 ug/L	140 ug/L	210 ug/L
trans-1,2-Dichloroethene	NA	NA	NA	NA	1.2 ug/L(J)	ND	3.4 ug/L(J)	1.6 ug/L(J)	ND
Tert-Butyl Methyl Ether	NA	NA	NA	NA	NA	52 ug/L	NA	ND	ND

PW-6	5/02	10/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Acetone	NS	NS	NS	NS	NS	NS	NS	NS	ND	ND	12 ug/L
Methyl tert-Butyl Ether	8 ug/L	ND	45.5 ug/L	18 ug/L	37 ug/L	27 ug/L	4.0 ug/L(J)	NS	ND	1.4 ug/L(J)	ND
Trichloroethylene (TCE)	3 J ug/L	ND	41.3 ug/L	100 ug/L	120 ug/L	82 ug/L	79 ug/L	NS	0.97 ug/L(J)	130 ug/L(J)	ND
Tetrachloroethene (PCE)	37 ug/L	ND	463 ug/L	1100 ug/L	340 ug/L(J)	970 ug/L(J)	1000 ug/L	NS	23 ug/L	2000 ug/L	27 ug/L
Ethylbenzene	5 J ug/L	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
Xylene	2 J ug/L	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	11.6 ug/L	50 ug/L	300 ug/L(J)	130 ug/L	76 ug/L	NS	7.9 ug/L	61 ug/L(J)	1.3 ug/L (J)
trans-1,2-Dichloroethene	ND	ND	0.400 ug/L	ND	3.9 ug/L(J)	ND	ND	NS	ND	0.84 ug/L(J)	ND
1,1-Dichloroethane	ND	ND	0.150 ug/L	ND	ND	ND	0.59 ug/L(J)	NS	ND	ND	ND
1,1-Dichloroethene	ND	ND	0.861 ug/L	ND	ND	ND	ND	NS	ND	1.8 ug/L(J)	ND

PZ-6A	10/14	10/15	4/16
Methyl tert-butyl ether	26 ug/L	6.8 ug/L	ND
trans-1,2-Dichloroethene	5.8 ug/L	3.0 ug/L(J)	ND
1,1-Dichloroethene	2.2 ug/L(J)	4.2 ug/L(J)	ND
Vinyl chloride	1.1 ug/L(J)	0.85 ug/L(J)	ND
cis-1,2-Dichloroethene	930 ug/L	410 ug/L	910 ug/L
Trichloroethylene (TCE)	400 ug/L	190 ug/L	120 ug/L
Tetrachloroethene (PCE)	1500 ug/L	670 ug/L	790 ug/L
Carbon Disulfide	ND	2.1 ug/L(J)	ND

PW-7	5/02	10/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Acetone	280 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Methyl tert-Butyl Ether	85 J ug/L	ND	35.0 ug/L	5.2 ug/L(J)	ND	2.8 ug/L(J)	ND	ND	1.5 ug/L(J)	NS	NS
2-Butanone	680 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Ethylbenzene	63 J ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Xylene	290 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS
Styrene	160 ug/L	ND	NA	ND	ND	ND	ND	ND	ND	NS	NS
Trichloroethylene (TCE)	92 J ug/L	10 ug/L	41.5 ug/L	94 ug/L	29 ug/L	68 ug/L(J)	8.9 ug/L	8.5 ug/L(J)	1.1 ug/L(J)	NS	NS
Tetrachloroethene (PCE)	4200 ug/L	800 ug/L	2760 ug/L	2400 ug/L	1400 ug/L(J)	950 ug/L(J)	550 ug/L	300 ug/L	4.0 ug/L(J)	NS	NS
1,1-Dichloroethene	ND	ND	1.06 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
cis-1,2-Dichloroethene	ND	ND	7.92 ug/L	25 ug/L	5.7 ug/L	17 ug/L(J)	2.2 ug/L (J)	4.9 ug/L(J)	99 ug/L	NS	NS
Toluene	ND	ND	0.186 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
trans-1,2-Dichloroethene	ND	ND	0.776 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
Vinyl chloride	ND	ND	0.171 ug/L	ND	ND	ND	ND	ND	13 ug/L	NS	NS

MPI-15B	5/02	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
2-Butanone	NS	1.61 ug/L	ND	ND	ND	180 ug/L	ND	ND	ND	ND
Methyl tert-butyl ether	NS	6.39 ug/L	6.3 ug/L(J)	7.4 ug/L	3.3 ug/L(J)	4.1 ug/L(J)	7.4 ug/L	6.2 ug/L	1.1 ug/L(J)	ND
Acetone	NA	NA	NA	NA	NA	2300 ug/L	ND	ND	ND	ND
Chloromethane	NA	NA	NA	NA	NA	1.5 ug/L(J)	ND	ND	ND	ND
Tetrachloroethene (PCE)	NA	NA	NA	NA	NA	1.1 ug/L(J)	ND	ND	ND	7.2 ug/L
Tert-Butyl Methyl Ether	NA	NA	NA	NA	NA	NA	7.4 ug/L	ND	ND	ND

PW-8	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
1,1-Dichloroethene	ND	2 ug/L	0.302 ug/L	ND	ND	ND	ND	ND	1.6 ug/L(J)	ND	ND
2-Butanone	ND	46 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	4 ug/L	66 ug/L	25.2 ug/L	15 ug/L	28 ug/L	12 ug/L	11 ug/L	20 ug/L(J)	23 ug/L	8.4 ug/L	11 ug/L
trans-1,2-Dichloroethene	ND	2 ug/L	0.722 ug/L	ND	ND	ND	ND	ND	2.8 ug/L(J)	ND	ND
Tetrachloroethene (PCE)	43 ug/L	110 ug/L	243 ug/L	150 ug/L	200 ug/L(J)	100 ug/L	140 ug/L	360 ug/L	260 ug/L	170 ug/L	60 ug/L
cis-1,2-Dichloroethene	1 ug/L	5 ug/L	8.45 ug/L	13 ug/L	30 ug/L	15 ug/L	13 ug/L	91 ug/L	980 ug/L	150 ug/L	66 ug/L
Methyl tert-Butyl Ether	16 ug/L	79 ug/L	10.1 ug/L	3.5 ug/L(J)	4.2 ug/L(J)	5.1 ug/L	2.3 ug/L(J)	4.4 ug/L(J)	14 ug/L	2.7 ug/L(J)	1.2 ug/L (J)
Acetone	26 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	10 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	3 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	190 ug/L	8.9 ug/L	2.9 ug/L(J)
Carbon Disulfide	–	–	–	7.2 ug/L(J)	ND	ND	ND	ND	ND	ND	ND

LEGEND

- SANITARY SEWER MANHOLE
- MONITORING WELL
- PUMPING WELL
- PIEZOMETER
- EXISTING STRUCTURES AND FEATURES
- FENCE
- PAINE STREET — MAJOR AREA STREETS
- WELLS CIRCLED = NOT FOUND (EITHER ABANDONED, DECOMMISSIONED, OR MISSING)

WELL ABBREVIATIONS

EEI	(ECOLOGY & ENVIRONMENT)	PW	PUMPING WELL (TYREE)
ESI	EMPIRE SOILS WELL (ENVIRONMENTAL SCIENCE)	PZ	PIEZOMETER (TYREE)
MPI	OBSERVATION WELL (MALCOLM-PIRNIE)	RW	RECOVERY WELL (BY OTHERS)
MW	MONITORING WELL (MATRIX)	SP	SPARGE POINT
NA	DATA NOT AVAILABLE	VP	VAPOR COLLECTION POINT
OW	OBSERVATION WELL	MPI-7IR	REPLACEMENT WELL

ANALYTICAL ABBREVIATIONS

ug/L	MICROGRAMS PER LITER
ND	NOT DETECTED
NS	NOT SAMPLED
NA	NOT ANALYZED
–	NOT ANALYZED OR NOT DETECTED
(J)	ESTIMATED VALUE
(U)	ANALYZED FOR BUT NOT DETECTED AT THE DETECTION LIMIT INDICATED

NOTES:

1. ONLY DETECTED COMPOUNDS ARE PRESENTED.
2. HORIZONTAL CONTROL IS BASED UPON THE NEW YORK STATE PLANE COORDINATE SYSTEM, WEST ZONE, 1983 ADJUSTMENT (NAD 83).
3. ELEVATIONS ARE BASED UPON NORTH GEODETIC VERTICAL DATUM, 1929 (NGVD 1929).
4. BENCHMARK IS LOCATED NEAR THE NORTHEAST CORNER OF MAIN STREET AND PAINE STREET, BEING A BRASS DISC SET IN THE TOP OF CONCRETE BASE – ELEVATION 916.64'
5. ALL ANALYTICAL WORK PERFORMED IN JUNE 2004 WAS ANALYZED USING METHOD 524.1 FOR VOLATILE ORGANIC COMPOUNDS.
6. AUGUST 2007 ANALYTICAL WORK PERFORMED USING CLP METHOD OLM04.2.

MPI-3S	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Benzene	ND	1 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	1700 ug/L	560 ug/L	390 ug/L	240 ug/L	190 ug/L (J)	110 ug/L(J)	81 ug/L	54 ug/L	45 ug/L	35 ug/L	27 ug/L
Tetrachloroethene (PCE)	ND	ND	0.495 ug/L	ND	ND	2.6 ug/L(J)	ND	ND	1.9 ug/L(J)	ND	ND
1,2-Dichloroethane	ND	1.4 ug/L	0.538 ug/L	ND	ND	ND	ND	2.2 ug/L(J)	ND	2.2 ug/L (J)	ND
Tert-Butyl Methyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND

MPI-4S	5/02	9/03	6/04	8/07	5/10	2/12	10/13	10/14	10/15	4/16
Tetrachloroethene (PCE)	2 ug/L	2 ug/L	1.63 ug/L	5.0 ug/L	2.3 ug/L(J)	ND	3.3 ug/L(J)	4.3 ug/L(J)	4.4 ug/L(J)	4.9 ug/L (J)
cis-1,2-Dichloroethene	14 ug/L	16 ug/L	97.8 ug/L	140 ug/L	61 ug/L	ND	65 ug/L	55 ug/L	41 ug/L	11 ug/L
Methyl tert-Butyl Ether	8 ug/L	11 ug/L	4.26 ug/L	ND	ND	ND	ND	ND	1.3 ug/L(J)	ND
Vinyl Chloride	4 ug/L	ND	5.53 ug/L	20 ug/L	6.0 ug/L	ND	11 ug/L	8.6 ug/L	6.4 ug/L	1.7 ug/L (J)
Acetone	9 ug/L	ND		ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	1 ug/L	ND		ND	ND	ND	ND	ND	ND	ND
Benzene	5 ug/L	ND	1.22ND ug/L	ND	ND	ND	ND	ND	ND	ND
2-Butanone	3 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	0.722 ug/L	ND	ND	2.7 ug/L(J)	ND	ND	ND	ND
Isopropylbenzene	ND	ND	0.10ND ug/L	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	1.05 ug/L	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene (TCE)	ND	ND	4.27 ug/L	2.4 ug/L	1.1 ug/L(J)	ND	ND	1.2 ug/L(J)	1.6 ug/L(J)	ND
Trihalomethanes, Total	NA	NA	0.722 ug/L	ND	NA	ND	ND	ND	ND	ND
Bromodichloromethane	NA	NA	NA	NA	NA	3.4 ug/L(J)	ND	ND	ND	ND
Bromoform	NA	NA	NA	NA	NA	1.2 ug/L(J)	ND	ND	ND	ND
Dibromochloromethane	NA	NA	NA	NA	NA	3.5 ug/L(J)	ND	ND	ND	ND

PZ-8C	10/14	10/15	4/16
Methyl tert-butyl ether	33 ug/L	26 ug/L	36 ug/L
cis-1,2-Dichloroethene	30 ug/L	56 ug/L	19 ug/L
Trichloroethylene (TCE)	2.0 ug/L(J)	ND	ND
Tetrachloroethene (PCE)	22 ug/L	ND	3.7 ug/L (J)
trans-1,2-Dichloroethene	ND	1.1 ug/L(J)	ND
Vinyl chloride	63 ug/L	110 ug/L	57 ug/L
Carbon Disulfide	ND	3.0 ug/L(J)	ND

MPI-6S	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Acetone	ND	20 ug/L	ND	ND	ND	ND	ND	ND	ND	12 ug/L(J)	7.4 ug/L
Trichloroethylene (TCE)	ND	15 ug/L	125 ug/L	58 ug/L	94 ug/L	69 ug/L	30 ug/L(J)	3.2 ug/L(J)	1.5 ug/L(J)	ND	ND
Tetrachloroethene (PCE)	ND	1200 ug/L	3480 ug/L	4900 ug/L	8100 ug/L(J)	6200 ug/L(J)	6800 ug/L	40 ug/L	15 ug/L	ND	ND
cis-1,2-Dichloroethene	ND	2 ug/L	3.26 ug/L	3.8 ug/L(J)	14 ug/L	27 ug/L	ND	27 ug/L	1300 ug/L	18 ug/L(J)	27 ug/L
Methyl tert-Butyl Ether	1000 ug/L	23 ug/L	2.59 ug/L	ND	1.8 ug/L(J)	3.6 ug/L(J)	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	0.48 ug/L	ND	ND	ND	ND	ND	16 ug/L	ND	1.7 ug/L (J)
2-Butanone	NA	NA	1.28 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	0.167 ug/L	ND	ND	ND	ND	ND	3.2 ug/L(J)	ND	ND
Vinyl Chloride	–	–	–	–	–	–	–	1.5 ug/L(J)	380 ug/L	14 ug/L(J)	13 ug/L
Mythyl Acetate	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	1.8 ug/L(J)

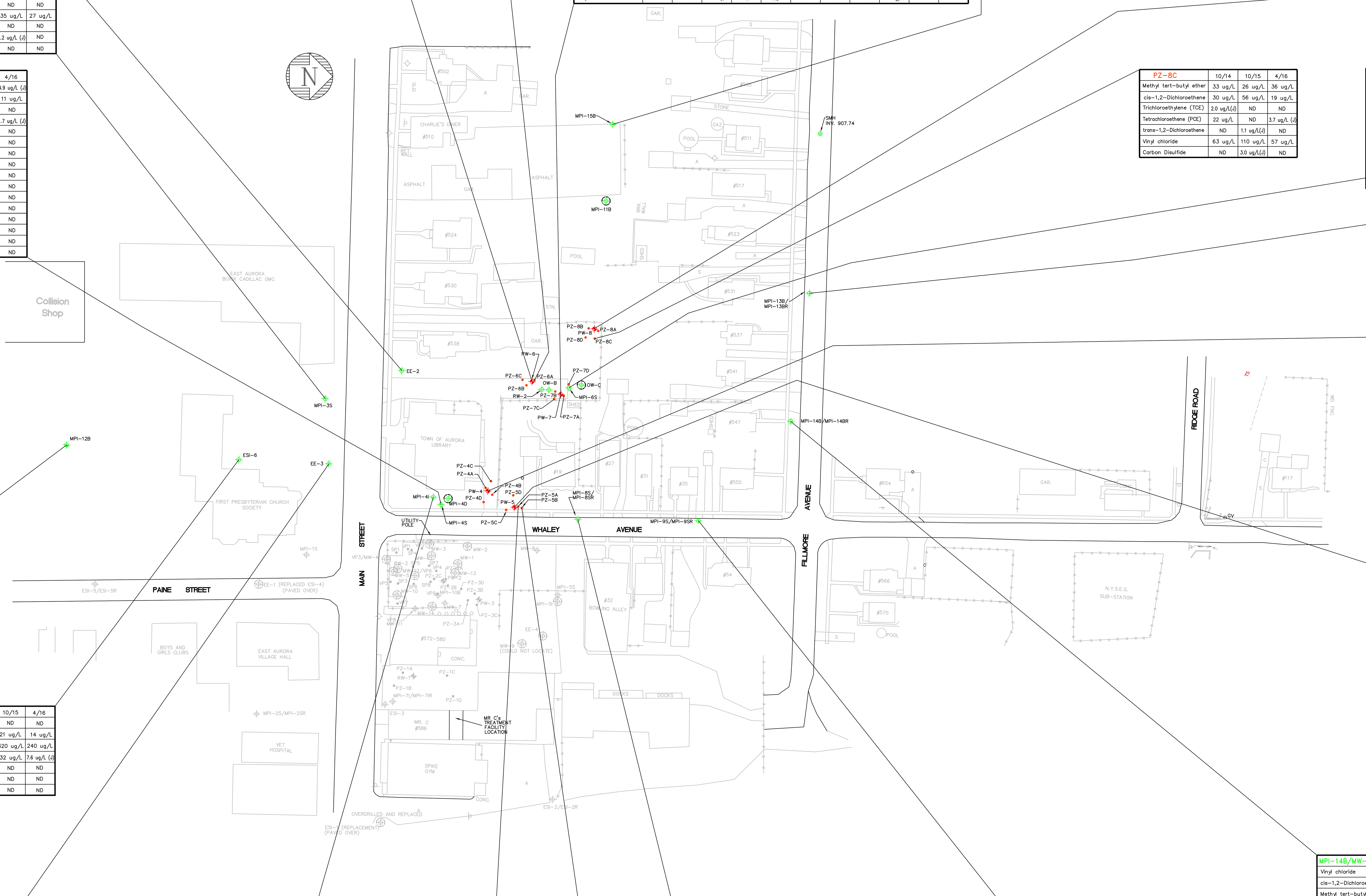
MPI-13B/MPI-13BR	5/02	9/03	6/04	8/07	6/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	0.57 ug/L	ND	ND	0.8 ug/L(J)	ND	0.81 ug/L(J)	ND	ND
Benzene	ND	1.4 ug/L	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	ND	3.2 ug/L	0.403 ug/L	5.0 ug/L(J)	3.6 ug/L(J)	4.5 ug/L(J)	3.7 ug/L(J)	6.7 ug/L	2.1 ug/L(J)
2-Butanone	NA	NA	0.979 ug/L	ND	ND	ND	ND	ND	ND
Acetone	NA	NA	4.01 ug/L	ND	ND	ND	ND	ND	ND
Carbon disulfide	NA	NA	0.440 ug/L	ND	ND	ND	ND	ND	ND

PW-4	5/02	10/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	35 ug/L	57.9 ug/L	74 ug/L(J)	100 ug/L	120 ug/L	170 ug/L	110 ug/L	170 ug/L	110 ug/L	1.6 ug/L (J)
Tetrachloroethene (PCE)	50 ug/L	200 ug/L	2850 ug/L	1600 ug/L	2400 ug/L(J)	2300 ug/L(J)	2200 ug/L(J)	1800 ug/L	2600 ug/L	2000 ug/L	120 ug/L
cis-1,2-Dichloroethene	ND	490 ug/L	8.68 ug/L	19 ug/L	34 ug/L	36 ug/L	44 ug/L	28 ug/L(J)	190 ug/L(J)	81 ug/L(J)	ND
Acetone	100 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	17 ug/L
2-Butanone	1400 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	210 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	1200 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	360 ug/L	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	22.0 ug/L	23 ug/L	64 ug/L	33 ug/L	0.95 ug/L(J)	ND	9.3 ug/L	8.5 ug/L	ND
Toluene	ND	ND	0.193 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	0.981 ug/L	3.3 ug/L(J)	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	0.680 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	0.485 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	0.211 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	0.121 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	1.2 ug/L	ND	3.9 ug/L(J)	ND	1.8 ug/L(J)	ND	2.1 ug/L(J)	1.4 ug/L(J)	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	1.4 ug/L(J)	NA	ND

MPI-12B	5/02	9/03	6/04	8/07	5/09	5/10	10/15	4/16
cis-1,2-Dichloroethene	NS	NS	3.46 ug/L	9.4 ug/L(J)	16 ug/L	17 ug/L	NS	NS
Methyl tert-butyl ether	NS	NS	341 ug/L	170 ug/L	90 ug/L	110 ug/L	NS	NS
Tetrachloroethene (PCE)	NS	NS	0.422 ug/L	ND	2.8 ug/L(J)	ND	NS	NS
Trichloroethylene (TCE)	NS	NS	0.294 ug/L	ND	ND	ND	NS	NS

PW-5	5/02	10/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Acetone	200 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	3300 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	170 ug/L	2000 ug/L	3220 ug/L	2000 ug/L	4000 ug/L(J)	4300 ug/L(J)	3100 ug/L(J)	700 ug/L	2700 ug/L	2300 ug/L	620 ug/L
Ethylbenzene	310 ug/L	ND	0.209 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	510 ug/L	ND	NA	ND	ND	ND	ND	13 ug/L	ND	ND	ND
Trichloroethylene (TCE)	ND	99 ug/L	78.6 ug/L	95 ug/L	140 ug/L	190 ug/L	87 ug/L	ND	69 ug/L	31 ug/L	59 ug/L
cis-1,2-Dichloroethene	ND	8 ug/L	8.17 ug/L	21 ug/L	21 ug/L	16 ug/L	16 ug/L	ND	170 ug/L	99 ug/L	120 ug/L
Xylene	1100 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	0.801 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	0.346 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	0.194 ug/L	ND	ND	ND	ND	ND	0.62 ug/L(J)	ND	ND
Benzene	ND	ND	0.114 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	10.1 ug/L	3.7 ug/L(J)	2.6 ug/L(J)	4.8 ug/L(J)	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	2.61 ug/L	6.5 ug/L(J)	12 ug/L	6.4 ug/L	5.9 ug/L	ND	4.2 ug/L(J)	3.5 ug/L(J)	ND
Vinyl chloride	ND	ND	0.415 ug/L	ND	ND	ND	ND	ND	ND	8.8 ug/L	ND

ESI-6	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
1,1-Dichloroethane	ND	0.67 ug/L	0.616 ug/L	ND	ND	ND	1.0 ug/L(J)	ND	1.3 ug/L(J)	ND	ND
Trichloroethylene (TCE)	44 ug/L	16 ug/L	19.2 ug/L	14 ug/L	17 ug/L	10 ug/L(J)	13 ug/L	38 ug/L	22 ug/L	21 ug/L	14 ug/L
Tetrachloroethene (PCE)	1180 ug/L	230 ug/L	514 ug/L	240 ug/L	320 ug/L(J)	140 ug/L(J)	200 ug/L(J)	480 ug/L	410 ug/L	320 ug/L	240 ug/L
cis-1,2-Dichloroethene	130 ug/L	26 ug/L	23.6 ug/L	20 ug/L	37 ug/L	5.9 ug/L(J)	17 ug/L	160 ug/L	59 ug/L	32 ug/L	7.6 ug/L (J)
Methyl tert-Butyl Ether	48 ug/L	53 ug/L	29.2 ug/L	7.5 ug/L(J)	7.4 ug/L	3.5 ug/L(J)	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	0.290 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	0.605 ug/L	ND	ND	ND	ND	ND	ND	ND	ND



PZ-5A	10/14	10/15	4/16
Trichloroethylene (TCE)	NS	NS	75 ug/L(J)
Tetrachloroethene (PCE)	NS	NS	5600 ug/L

MPI-14B/MW-14BR	5/02	9/03	6/04	8/07	2/12	10/13	10/14	10/15	4/16
Vinyl chloride	ND	ND	1.06 ug/L	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	ND	ND	2.93 ug/L	2.8 ug/L(J)	1.3 ug/L(J)	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	2.99 ug/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	1 ug/L	ND	0.175 ug/L	ND	10 ug/L(J)	2.5 ug/L(J)	6.2 ug/L	2.3 ug/L	ND
Trichloroethylene (TCE)	ND	ND	0.191 ug/L	ND	1.0 ug/L(J)	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	1.60 ug/L	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	4.06 ug/L	9.6 ug/L(J)	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	0.340 ug/L	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	NA	NA	0.6 ug/L(J)	ND	ND	ND	ND

EE-3 (NEW)	2/12	10/13	10/14	10/15	4/16
cis-1,2-Dichloroethene	0.7 ug/L(J)	11 ug/L	20 ug/L	15 ug/L	11 ug/L
Methyl tert-butyl ether	29 ug/L	18 ug/L	23 ug/L(J)	22 ug/L	20 ug/L
Tetrachloroethene (PCE)	3.3 ug/L(J)	1.4 ug/L(J)	1.1 ug/L(J)	1.3 ug/L(J)	ND
Vinyl chloride	13 ug/L	2.1 ug/L(J)	ND	ND	ND
Tert-Butyl Methyl Ether	NA	NA	NA	ND	ND

MPI-4I	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/14	10/15	4/16
Trichloroethylene (TCE)	120 ug/L	280 ug/L	137 ug/L	580 ug/L	180 ug/L	120 ug/L(J)	2.2 ug/L(J)	41 ug/L	31 ug/L	4.3 ug/L (J)
Tetrachloroethene (PCE)	160 ug/L	690 ug/L	556 ug/L	1300 ug/L	640 ug/L(J)	400 ug/L(J)	14 ug/L(J)	150 ug/L	71 ug/L	9.1 ug/L
cis-1,2-Dichloroethene	16 ug/L	48 ug/L	49.4 ug/L	160 ug/L	780 ug/L(J)	880 ug/L(J)	74 ug/L	650 ug/L	720 ug/L	290 ug/L
Methyl tert-Butyl Ether	140 ug/L	40 ug/L	26.3 ug/L	23 ug/L	13 ug/L	14 ug/L(J)	ND	240 ug/L	310 ug/L	340 ug/L
trans-1,2-Dichloroethene	ND	ND	1.53 ug/L	21 ug/L	4.4 ug/L(J)	2.0 ug/L(J)	ND	2.1 ug/L(J)	1.6 ug/L(J)	ND
Vinyl chloride	ND	ND	0.196 ug/L	ND	ND	ND	13 ug/L	130 ug/L	180 ug/L	110 ug/L
1,1-Dichloroethene	–	–	–	ND	ND	1.0 ug/L(J)	ND	ND	ND	ND
Benzene	NA	NA	NA	NA	NA	NA	.62 ug/L(J)	ND	ND	ND

PZ-5B	10/14	10/15	4/16
trans-1,2-Dichloroethene	8.0 ug/L(J)	20 ug/L(J)	NS
cis-1,2-Dichloroethene	6.0 ug/L(J)	14 ug/L(J)	NS
Trichloroethylene (TCE)	66 ug/L	70 ug/L	NS
Tetrachloroethene (PCE)	2100 ug/L	3000 ug/L	NS

MPI-8S/MPI-8SR	5/02	9/03	6/04	8/07	6/12	10/13	10/14	10/15	4/16
cis-1,2-Dichloroethene	NA	NA	NA	NA	5.0 ug/L	10 ug/L	37 ug/L	71 ug/L	62 ug/L
Methyl tert-butyl ether	NA	NA	NA	NA	0.58 ug/L(J)	ND	ND	ND	ND
Tetrachloroethene (PCE)	NA	NA	NA	NA	180 ug/L	120 ug/L	130 ug/L	150 ug/L	140 ug/L
trans-1,2-Dichloroethene	NA	NA	NA	NA	1.6 ug/L(J)	1.3 ug/L(J)	1.8 ug/L(J)	1.6 ug/L(J)	2.2 ug/L (J)
Trichloroethylene (TCE)	NA	NA	NA	NA	22 ug/L	17 ug/L	18 ug/L	17 ug/L	13 ug/L
Vinyl chloride	NA	NA	NA	NA	ND	ND	0.55 ug/L(J)	ND	1.4 ug/L (J)

MPI-9S/MPI-9SR	5/02	9/03	6/04	8/07	6/12	10/13	10/14	10/15	4/16
Tetrachloroethene (PCE)	NA	NA	NA	NA	.75 ug/L(J)	ND	1.7 ug/L(J)	1.2 ug/L(J)	ND
Methyl tert-butyl ether	NA	NA	NA	NA	NA	ND	ND	ND	7.5 ug/L

SEE FIGURE 2 FOR SUMMARY OF MONITORING WELL INFORMATION EAST OF WHALEY AVE AND PAINE STREET.

SCALE IN FEET
0 60 120 180

DWG NO.	DATE	DESCRIPTION
DEC 31 ISO.dwg	7/18/94	ISOPOTENTIAL MAP AND CROSS SECTIONS 4/13/94 GROUNDWATER LEVELS MALCOLM PIRNIE INC.
0266G003.dwg	10/17/00	REMEDIAL DESIGN PIPING AND WELL LAYOUT PLAN MALCOLM PIRNIE INC.

REFERENCE DRAWINGS

NO.	DATE	DWN	APP'D	DESCRIPTION
H	6/1/16	KMK	MGS	UPDATED PER APRIL 2016 SAMPLE EVENT
G	12/18/15	KMK	MGS	UPDATED PER OCT 2015 SAMPLE EVENT
F	12/29/14	KMK	MGS	UPDATED PER OCT 2014 SAMPLE EVENT
E	12/5/13	KMK	MGS	UPDATED PER OCT 2013 SAMPLE EVENT
D	7/20/12	KMK	MGS	UPDATED PER FEB/JUNE 2012 SAMPLE EVENT
C	6/8/10	KMK	MGS	UPDATED PER MAY 2010 SAMPLE EVENT
B	6/30/09	KMK	MGS	UPDATED PER MAY 2009 SAMPLE EVENT
A	12/6/07	KMK	MGS	UPDATED PER AUGUST 2007 SAMPLE EVENT

REVISIONS

FIGURE 1
SUMMARY OF GROUNDWATER ANALYTICAL DATA
MR.C'S DRY CLEANERS SITE LOCATION MAP (WEST)
EAST AURORA, NEW YORK

ecology and environment engineering p.c.

F:\MrC\well Analysis May 2016\Results_revised 5-17-16_East.dwg

MW-4	5/02	9/03	6/04	9/05	8/07	4/16
Vinyl Chloride	ND	47 ug/L	41.0 ug/L	590 ug/L	ND	NS
Trichloroethylene (TCE)	23 ug/L	54 ug/L	27.9 ug/L	7.0 ug/L	ND	NS
Benzene	24 ug/L	46 ug/L	4.80 ug/L	21.0 ug/L	5.4 ug/L(J)	NS
trans-1,2-Dichloroethene	1 ug/L	7 ug/L	2.87 ug/L	3.4 ug/L	ND	NS
Tetrachloroethene (PCE)	130 ug/L	95 ug/L	278 ug/L	5.3 ug/L	ND	NS
cis-1,2-Dichloroethene	200 ug/L	250 ug/L	515 ug/L	570 ug/L	2.5 ug/L(J)	NS
Acetone	3 ug/L	ND	ND	ND	ND	NS
Ethylbenzene	2 ug/L	ND	4.42 ug/L	7.7 ug/L	ND	NS
Xylene-Total	170 ug/L	ND	0.704 ug/L	ND	1.3 ug/L	NS
1,3,5 - Trimethylbenzene	120 ug/L	ND	NA	ND	ND	NS
tert - Butylbenzene	2 ug/L	ND	0.447 ug/L	ND	ND	NS
1,2,4 - Trimethylbenzene	10 ug/L	ND	0.243 ug/L	ND	ND	NS
Isopropylbenzene	ND	ND	1.76 ug/L	3.4 ug/L	4.2 ug/L(J)	NS
n-Propylbenzene	ND	ND	2.94 ug/L	ND	ND	NS
m,p-Xylene	NA	ND	0.282 ug/L	0.55 ug/L	ND	NS
o-Xylene	NA	ND	0.422 ug/L	0.8 ug/L	ND	NS
sec-Butylbenzene	ND	ND	1.15 ug/L	ND	ND	NS
Toluene	3 ug/L	ND	0.373 ug/L	2.3 ug/L	ND	NS
1,1-Dichloroethene	ND	ND	0.320 ug/L	1.2 ug/L	ND	NS
Cyclohexane	ND	ND	ND	75.0 ug/L	110 ug/L	NS
Methylcyclohexane	ND	ND	ND	22.0 ug/L	22.0 ug/L	NS
Methyl tert-butyl ether	ND	ND	ND	ND	ND	NS

MW-6	5/02	9/03	4/16
Trichloroethylene (TCE)	ND	2 ug/L	NS
Tetrachloroethene (PCE)	68 ug/L	74 ug/L	NS
cis-1,2-Dichloroethane	ND	2 ug/L	NS

MW-7	5/02	9/03	6/04	9/05	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	8 ug/L	4.34 ug/L	3.2 ug/L	ND	1.4 ug/L(J)	1.5 ug/L(J)	ND	ND	3.8 ug/L(J)	ND	ND
Tetrachloroethene (PCE)	240 ug/L	3300 ug/L	1170 ug/L	2000 ug/L	830 ug/L	700 ug/L(J)	770 ug/L(J)	670 ug/L(J)	910 ug/L	1100 ug/L	840 ug/L	600 ug/L
cis-1,2-Dichloroethene	ND	ND	3.73 ug/L	0.76 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	0.379 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	0.315 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	–	–	ND	ND	ND	1.7 ug/L(J)	1.9 ug/L(J)	ND	ND	ND	ND	ND

PZ-3B	10/14	10/15	4/16
trans-1,2-Dichloroethene	0.78 ug/L(J)	ND	ND
cis-1,2-Dichloroethene	1.9 ug/L(J)	1.2 ug/L(J)	ND
Trichloroethylene (TCE)	7.9 ug/L	8.4 ug/L	5.4 ug/L
Tetrachloroethene (PCE)	150 ug/L	150 ug/L	130 ug/L

MW-8	5/02	9/03	6/04	9/05	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	720 ug/L	16 ug/L	10.4 ug/L	100.0 ug/L	590 ug/L	16 ug/L	14 ug/L	92 ug/L	12 ug/L	1.7 ug/L(J)	16 ug/L	2.3 ug/L (J)
trans-1,2-Dichloroethene	50 ug/L	1 ug/L	0.481 ug/L	3.8 ug/L	24 ug/L	12 ug/L	6.4 ug/L	11 ug/L(J)	28 ug/L	46 ug/L	ND	13 ug/L
Tetrachloroethene (PCE)	3900 ug/L	310 ug/L	299 ug/L	570.0 ug/L	960 ug/L	210 ug/L(J)	200 ug/L(J)	250 ug/L(J)	3.4 ug/L(J)	1.3 ug/L(J)	ND	ND
cis-1,2-Dichloroethene	40 ug/L	5 ug/L	2.36 ug/L	15.0 ug/L	390 ug/L	9.4 ug/L	6.5 ug/L	15 ug/L(J)	81 ug/L	15 ug/L	12 ug/L	17 ug/L
2-Butanone	ND	ND	1.88 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	0.157 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	0.135 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	35 ug/L	ND	2.0 ug/L(J)	ND	15 ug/L	7.2 ug/L	7.4 ug/L	8.4 ug/L
Methylcyclohexane	–	–	–	–	2.5 ug/L	ND	ND	ND	ND	ND	ND	ND
Acetone	–	–	–	–	–	–	–	–	22 ug/L	ND	ND	ND

PW-3	5/02	9/03	6/04	9/05	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	6 ug/L	7.32 ug/L	8.9 ug/L	7.2 ug/L(J)	6 ug/L	4.6 ug/L(J)	4.3 ug/L(J)	3.6 ug/L(J)	4.4 ug/L(J)	2.1 ug/L(J)	ND
Tetrachloroethene (PCE)	820 ug/L	850 ug/L	595 ug/L	560 ug/L	290 ug/L	300 ug/L(J)	260 ug/L	220 ug/L(J)	170 ug/L	220 ug/L	100 ug/L	2.3 ug/L (J)
cis-1,2-Dichloroethene	ND	6 ug/L	6.43 ug/L	4.0 ug/L	2.8 ug/L(J)	4.3 ug/L(J)	3.5 ug/L(J)	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	ND	4 ug/L	0.401 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	51 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11 ug/L
2-Butanone	350 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	20 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	120 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	11 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	0.407 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	0.148 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	0.133 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	2.94 ug/L	3.4 ug/L	5.0 ug/L(J)	6.2 ug/L	3.2 ug/L(J)	ND	ND	ND	ND	ND
Trihalomethanes, Total	NA	NA	0.133 ug/L	ND	ND	NS	NA	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	1.7 ug/L	ND	ND	ND	ND	ND	ND	ND	ND

MPI-1S	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	1.5 ug/L	9.87 ug/L	6.5 ug/L(J)	1.2 ug/L(J)	ND	1.4 ug/L(J)	3.2 ug/L(J)	2.4 ug/L (J)	2.3 ug/L (J)	ND
Tetrachloroethene (PCE)	10 ug/L	41 ug/L	123 ug/L	97 ug/L	54 ug/L	40 ug/L	44 ug/L(J)	49 ug/L	56 ug/L	45 ug/L	18 ug/L
cis-1,2-Dichloroethene	ND	0.86 ug/L	3.90 ug/L	ND	1.1 ug/L(J)	1.3 ug/L(J)	1.3 ug/L(J)	2.4 ug/L(J)	2.8 ug/L (J)	3.1 ug/L (J)	2.4 ug/L (J)
Vinyl chloride	ND	ND	0.346 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	0.337 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	NA	NA	NA	NA	.74 ug/L(J)	ND	ND	ND	ND

MW-5	5/02	9/03	10/13	10/14	10/15	4/16
Xylene	5700 ug/L	ND	NS	NS	NS	NS
Vinyl Chloride	ND	7 ug/L	NS	NS	NS	NS
Trichloroethylene (TCE)	21 ug/L	ND	NS	NS	NS	NS
Benzene	220 ug/L	15 ug/L	NS	NS	NS	NS
trans-1,2-Dichloroethene	ND	ND	NS	NS	NS	NS
Tetrachloroethene (PCE)	83 ug/L	2 ug/L	NS	NS	NS	NS
cis-1,2-Dichloroethene	48 ug/L	16 ug/L	NS	NS	NS	NS
Methyl tert-Butyl Ether	ND	3 ug/L	NS	NS	NS	NS
Toluene	160 ug/L	3 ug/L	NS	NS	NS	NS
Ethylbenzene	25 ug/L	ND	NS	NS	NS	NS
1,3,5 - Trimethylbenzene	470 ug/L	ND	NS	NS	NS	NS
1,2,4 - Trimethylbenzene	920 ug/L	ND	NS	NS	NS	NS

ESI-5/ESI-5R	5/02	9/03	6/04	8/07	5/09	5/10	6/12	10/13	10/14	10/15	4/16
Tetrachloroethene (PCE)	ND	0.52 ug/L	0.196 ug/L	4.6 ug/L(J)	ND	ND	ND	ND	ND	ND	ND

ESI-4/EE-1	5/02	9/03	6/04	8/07	5/09	5/10	10/15	4/16
Chloroform	ND	0.54 ug/L	0.521 ug/L	ND	ND	ND	NS	NS
1,1,1-Trichloroethane	0.7 ug/L	2.4 ug/L	14.7 ug/L	9.6 ug/L(J)	12 ug/L	7.5 ug/L	NS	NS
Trichloroethylene (TCE)	0.5 ug/L	3.6 ug/L	ND	ND	ND	ND	NS	NS
Tetrachloroethene (PCE)	14 ug/L	63 ug/L	5.91 ug/L	3.1 ug/L(J)	4.5 ug/L(J)	3.8 ug/L(J)	NS	NS
cis-1,2-Dichloroethene	ND	1.2 ug/L	ND	ND	ND	ND	NS	NS
Methyl tert-butyl ether	ND	ND	8.51 ug/L	4.2 ug/L(J)	1.6 ug/L(J)	ND	NS	NS
Trihalomethanes, Total	NA	NA	0.521 ug/L	ND	ND	NA	NS	NS
1,1-Dichloroethane	ND	ND	1.16 ug/L	ND	ND	ND	NS	NS
1,1-Dichloroethene	ND	ND	0.284 ug/L	ND	ND	ND	NS	NS
2-Butanone	NA	NA	0.965 ug/L	ND	ND	ND	NS	NS
Benzene	ND	ND	0.325 ug/L	ND	ND	ND	NS	NS
Acetone	NA	ND	1.85 ug/L	ND	ND	ND	NS	NS

MW-10	5/02	9/03	10/13	10/15	4/16
Acetone	ND	14 ug/L	NS	NS	NS
cis-1,2-Dichloroethene	ND	3 ug/L	NS	NS	NS
Tetrachloroethene (PCE)	12 ug/L	ND	NS	NS	NS

PW-2	5/02	9/03	6/04	9/05	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	11 ug/L	5.57 ug/L	4.4 ug/L	9.3 ug/L(J)	7.5 ug/L	6.5 ug/L	2.2 ug/L(J)	ND	3.4 ug/L(J)	1.8 ug/L(J)	2.4 ug/L(J)
Tetrachloroethene (PCE)	430 ug/L	1400 ug/L	1090 ug/L	2000 ug/L	1300 ug/L	1200 ug/L(J)	910 ug/L(J)	770 ug/L(J)	770 ug/L	620 ug/L	380 ug/L	270 ug/L
cis-1,2-Dichloroethene	ND	5 ug/L	3.82 ug/L	2.0 ug/L	ND	2.8 ug/L(J)	1.3 ug/L(J)	ND	ND	ND	ND	1.1 ug/L(J)
Methyl tert-Butyl Ether	ND	3 ug/L	0.617 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	14 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.8 ug/L(J)
Ethylbenzene	24 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylene	65 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	ND	ND	0.290 ug/L	ND	ND	4.1 ug/L(J)	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	0.344 ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

MPI-2S/MPI-2SR	4/94	1/95	6/04	2/12	10/13	10/14	10/15	4/16
1,1,1 Trichloroethane	14 ug/L	12 u/L	NS	4.1 ug/L(J)	2.9 ug/L(J)	3.4 ug/L(J)	3.0 ug/L(J)	3.0 ug/L (J)
Benzene	ND	2 ug/L	NS	ND	ND	ND	ND	ND
Chloroform	NA	NA	NA	1.8 ug/L(J)	1.4 ug/L(J)	1.3 ug/L(J)	4.4 ug/L(J)	7.7 ug/L
Tetrachloroethene (PCE)	NA	NA	NA	1.9 ug/L(J)	2.4 ug/L(J)	2.9 ug/L(J)	1.9 ug/L(J)	2.5 ug/L (J)

MW-11	5/10	2/12	10/13	10/14	10/15	4/16
cis-1,2-Dichloroethene	3.4 ug/L(J)	1.2 ug/L(J)	ND	ND	ND	ND
Trichloroethylene (TCE)	6 ug/L	5.8 ug/L	ND	5.2 ug/L	4.8 ug/L(J)	3.6 ug/L(J)
Tetrachloroethene (PCE)	1600 ug/L(J)	1500 ug/L(J)	2400 ug/L	1500 ug/L	1400 ug/L	1100 ug/L
Chloromethane	NA	0.68 ug/L(J)	ND	ND	ND	ND
trans-1,2-Dichloroethene	NA	1.2 ug/L(J)	ND	ND	ND	ND
1,1,1-Trichloroethane	ND	ND	ND	ND	ND	ND
Carbon Dioxide	NA	NA	NA	NA	1.9 ug/L(J)	ND

MW-14	5/02	9/03	6/04	10/15	4/16
Tetrachloroethene (PCE)	NS	NS	180 ug/L	NS	NS

MPI-10B	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	ND	1 ug/L	5.03 ug/L	ND	5.1 ug/L	4.3 ug/L(J)	3.6 ug/L(J)	4.4 ug/L(J)	3.8 ug/L(J)	NS	NS
Benzene	ND	3 ug/L	ND	ND	ND	ND	ND	ND	ND	NS	NS
Tetrachloroethene (PCE)	82 ug/L	320 ug/L	1070 ug/L	790 ug/L	450 ug/L(J)	250 ug/L(J)	250 ug/L(J)	210 ug/L	220 ug/L	NS	NS
cis-1,2-Dichloroethene	ND	2 ug/L	5.09 ug/L	ND	3.3 ug/L(J)	1.3 ug/L(J)	1.1 ug/L(J)	ND	ND	NS	NS
Methyl tert-Butyl Ether	ND	2 ug/L	1.89 ug/L	ND	ND	ND	1.1 ug/L(J)	ND	ND	NS	NS
Trihalomethanes, Total	NA	NA	0.149 ug/L	ND	ND	NA	ND	ND	ND	NS	NS
trans-1,2-Dichloroethene	ND	ND	0.588 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
Chloroform	ND	ND	0.149 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
1,1-Dichloroethane	ND	ND	0.24 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
1,1,1-Trichloroethane	ND	ND	0.926 ug/L	ND	ND	ND	ND	ND	ND	NS	NS

MPI-5S	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Vinyl Chloride	NA	5 ug/L	1.98 ug/L	15 ug/L	2.7 ug/L(J)	2.9 ug/L(J)	6.1 ug/L	ND	ND	1.5 ug/L(J)	2.3 ug/L (J)
Trichloroethylene (TCE)	NA	6 ug/L	3.66 ug/L	2.7 ug/L(J)	3.6 ug/L(J)	3.7 ug/L(J)	6.9 ug/L	7.1 ug/L	5.3 ug/L	5.7 ug/L	6.5 ug/L
trans-1,2-Dichloroethene	NA	2 ug/L	3.87 ug/L	6.0 ug/L(J)	10 ug/L	6.2 ug/L	6.8 ug/L	4.2 ug/L(J)	5.2 ug/L	4.4 ug/L(J)	2.8 ug/L (J)
Tetrachloroethene (PCE)	NA	36 ug/L	38.3 ug/L	4.9 ug/L(J)	15 ug/L(J)	16 ug/L	29 ug/L(J)	24 ug/L	24 ug/L	30 ug/L	33 ug/L
cis-1,2-Dichloroethene	NA	5 ug/L	3.81 ug/L	8.4 ug/L(J)	7.7 ug/L	4.2 ug/L(J)	6.0 ug/L	8.5 ug/L	7.8 ug/L	8.4 ug/L	4.2 ug/L(J)
Methyl tert-butyl ether	NA	ND	0.114 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NA	ND	0.994 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	NA	ND	0.304 ug/L	ND	ND	ND	ND	ND	ND	ND	ND

MPI-5I	5/02	9/03	10/15	4/16
Methyl tert-Butyl Ether	NA	4 ug/L	NS	NS

EE-4	2/12	10/13	10/14	10/15	4/16
cis-1,2-Dichloroethene	3.3 ug/L(J)	ND	ND	NS	NS
trans-1,2-Dichloroethene	8.6 ug/L	1.2 ug/L(J)	1.9 ug/L(J)	NS	NS
Tetrachloroethene (PCE)	.68 ug/L(J)	ND	1.8 ug/L(J)	NS	NS
Vinyl chloride	4.6 ug/L(J)	ND	1.2 ug/L(J)	NS	NS
Cyclohexane	8.4 ug/L	5.3 ug/L	ND	NS	NS
Isopropylbenzene	3.3 ug/L(J)	2.9 ug/L(J)	2.2 ug/L(J)	NS	NS
Methylcyclohexane	17 ug/L	11 ug/L	8.3 ug/L	NS	NS
Trichloroethylene (TCE)	.81 ug/L(J)	ND	ND	NS	NS

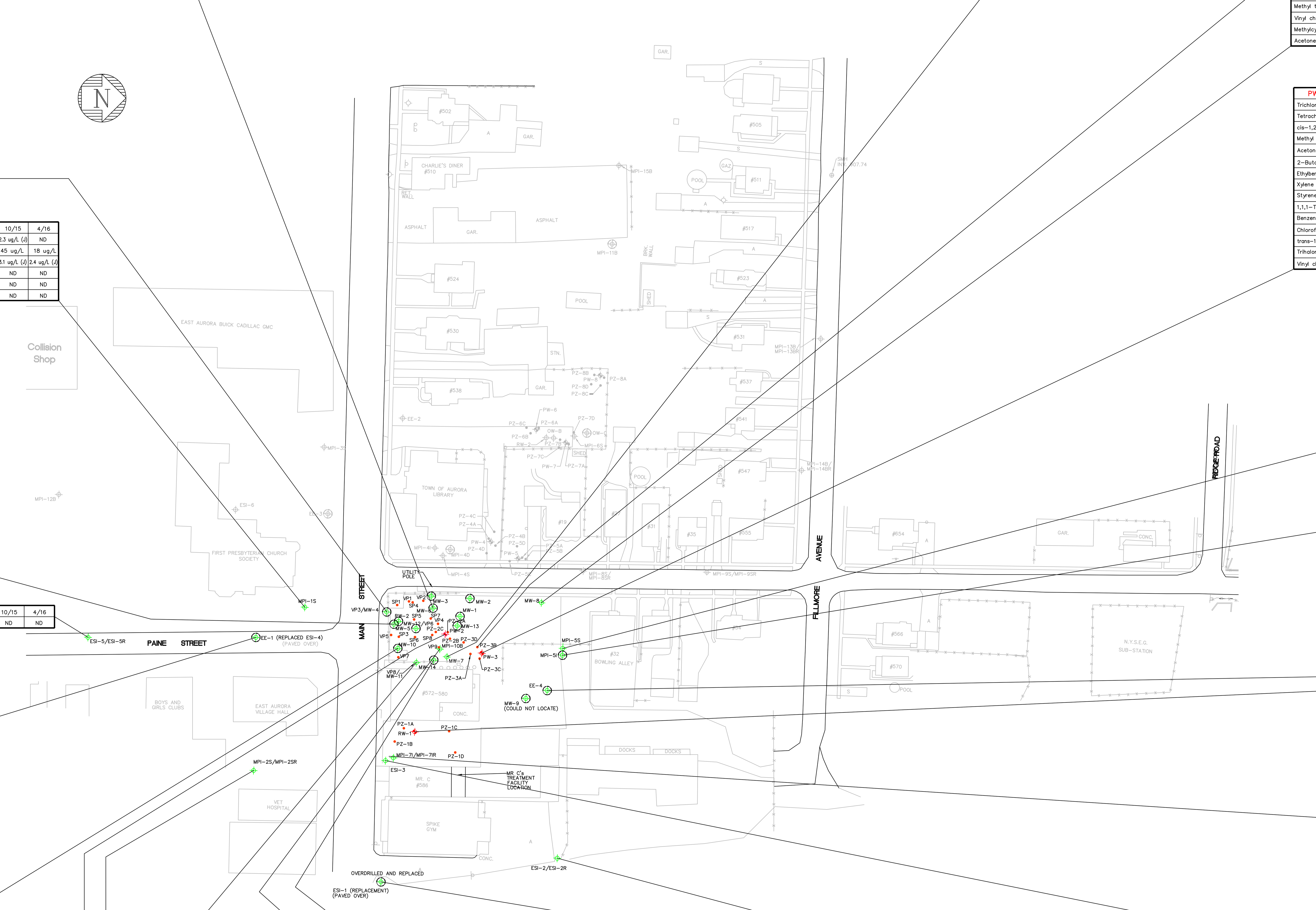
RW-1	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Chloroform	ND	ND	0.839 ug/L	ND	1 ug/L(J)	ND	.61 ug/L(J)	ND	ND	NS	NS
cis-1,2-Dichloroethene	ND	ND	2.31 ug/L	ND	2.4 ug/L(J)	ND	1.0 ug/L(J)	ND	ND	NS	NS
1,1-Dichloroethane	ND	ND	0.275 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
1,1,1-Trichloroethane	ND	ND	0.531 ug/L	ND	1.3 ug/L(J)	ND	1.3 ug/L(J)	1.1 ug/L(J)	ND	NS	NS
Trihalomethanes, Total	NA	NA	0.839 ug/L	ND	1 ug/L(J)	NA	ND	ND	ND	NS	NS
Trichloroethylene (TCE)	ND	1 ug/L	2.09 ug/L	ND	1.5 ug/L(J)	ND	1.5 ug/L(J)	1.1 ug/L(J)	1.1 ug/L(J)	NS	NS
Tetrachloroethene (PCE)	4 ug/L	74 ug/L	410 ug/L	140 ug/L	190 ug/L(J)	54 ug/L	250 ug/L(J)	94 ug/L	180 ug/L	NS	NS
Methyl tert-Butyl Ether	ND	3 ug/L	1.03 ug/L	ND	ND	ND	ND	ND	ND	NS	NS
Chloromethane	NA	NA	NA	NA	NA	NA	.91 ug/L(J)	ND	ND	NS	NS

MPI-7I/MPI-7IR	5/02	9/03	6/04	8/07	5/09	5/10	2/12	10/13	10/14	10/15	4/16
Trichloroethylene (TCE)	NA	2 ug/L	1.54 ug/L	ND	6.5 ug/L	ND	ND	ND	ND	ND	ND
Tetrachloroethene (PCE)	NA	4 ug/L	5.13 ug/L	2.9 ug/L(J)	490 ug/L(J)	ND	1.8 ug/L(J)	2.4 ug/L(J)	2.0 ug/L(J)	1.2 ug/L(J)	ND
cis-1,2-Dichloroethene	NA	8 ug/L	8.53 ug/L	12 ug/L	18 ug/L	10 ug/L	ND	ND	ND	ND	ND
2-Butanone	NA	ND	1.17 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NA	ND	0.178 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	NA	ND	0.223 ug/L	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	–	–	–	ND	11 ug/L(J)	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	–	–	–	ND	1.1 ug/L(J)	ND	ND	ND	ND	ND	ND
Bromodichloromethane	–	–	–	ND	1.9 ug/L(J)	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	NA	NA	NA	NA	1.4 ug/L(J)	ND	ND	ND	ND

ESI-3	5/02	9/03	6/04	8/07	5/10	2/12	10/13	10/14	10/15	4/16
1,1,1Trichloroethane	ND	1 ug/L	0.882 ug/L	2.0 ug/L(J)	ND	2.0 ug/L(J)	ND	ND	ND	1.2 ug/L (J)
Trichloroethylene (TCE)	ND	2 ug/L	7.03 ug/L	ND	ND	.77 ug/L(J)	ND	ND	ND	ND
Tetrachloroethene (PCE)	220 ug/L	440 ug/L	655 ug/L	250 ug/L	250 ug/L	200 ug/L(J)	260 ug/L	180 ug/L	140 ug/L	150 ug/L
cis-1,2-Dichloroethene	ND	4 ug/L	12.4 ug/L	2.8 ug/L	ND	ND	ND	ND	ND	ND
Methyl tert-Butyl Ether	9 ug/L	1 ug/L	1.02 ug/L	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	0.469 ug/L	ND	ND	.76 ug/L(J)	ND	1.1 ug/L(J)	0.98 ug/L(J)	ND
Chloroform	ND	ND	1.14 ug/L	2.4 ug/L	ND	.84 ug/L(J)	ND	ND	ND	ND
Trihalomethanes, Total	NA	NA	1.14 ug/L	ND	NA	ND	ND	ND	ND	ND
Chloromethane	NA	NA	NA	NA	NA	.95 ug/L(J)	ND	ND	ND	ND

ESI-2/ESI-2R	5/92	4/94	2/12	10/13	10/14	10/15	4/16
Tetrachloroethene (PCE)	1 ug/L	NS	1.1 ug/L(J)	1.8 ug/L(J)	ND	ND	ND
Chloromethane	NA	NA	.89 ug/L(J)	ND	ND	ND	ND

ESI-1/ESI-1 (REPLACEMENT)	5/92	1/93	4/94	6/04	8/07	10/15	4/16
1,2 Dichloroethene	2 ug/L	ND	ND	NA	ND	NS	NS
Trichloroethylene (TCE)	2 ug/L	ND	3 ug/L	1.28 ug/L	ND	NS	NS
Tetrachloroethene (PCE)	2 ug/L	0.9 ug/L	ND	1.47 ug/L	9.3 ug/L(J)	NS	NS
Carbon disulfide	NA	NA	ND	0.557 ug/L	ND	NS	NS
Chloroform	NA	NA	ND	0.485 ug/L	ND	NS	NS
cis-1,2-Dichloroethene	NA	NA	NA	0.103 ug/L	ND	NS	NS



LEGEND

- SANITARY SEWER MANHOLE
- MONITORING WELL
- PUMPING WELL
- PIEZOMETER
- EXISTING STRUCTURES AND FEATURES
- FENCE
- PAINE STREET — MAJOR AREA STREETS
- WELLS CIRCLED = NOT FOUND (EITHER ABANDONED, DECOMMISSIONED, OR MISSING)

WELL ABBREVIATIONS

EE	(ECOLOGY & ENVIRONMENT)	PW	PUMPING WELL (TYREE)
ESI	EMPIRE SOILS WELL (ENVIRONMENTAL SCIENCE)	PZ	PIEZOMETER (TYREE)
MPI	OBSERVATION WELL (MALCOLM-PIRNIE)	RW	RECOVERY WELL (BY OTHERS)
MW	MONITORING WELL (MATRIX)	SP	SPARGE POINT
NA	DATA NOT AVAILABLE	VP	VAPOR COLLECTION POINT
OW	OBSERVATION WELL	MPI-7IR	REPLACEMENT WELL

ANALYTICAL ABBREVIATIONS

ug/L	MICROGRAMS PER LITER
ND	NOT DETECTED
NS	NOT SAMPLED
NA	NOT ANALYZED
–	NOT ANALYZED OR NOT DETECTED
(J)	ESTIMATED VALUE
(U)	ANALYZED FOR BUT NOT DETECTED AT THE DETECTION LIMIT INDICATED

NOTES:

1. ONLY DETECTED COMPOUNDS ARE PRESENTED.
2. HORIZONTAL CONTROL IS BASED UPON THE NEW YORK STATE PLANE COORDINATE SYSTEM, WEST ZONE, 1983 ADJUSTMENT (NAD 83).
3. ELEVATIONS ARE BASED UPON NORTH GEODETIC VERTICAL DATUM, 1929 (NGVD 1929).
4. BENCHMARK IS LOCATED NEAR THE NORTHEAST CORNER OF MAIN STREET AND PAINE STREET, BEING A BRASS DISC SET IN THE TOP OF CONCRETE BASE – ELEVATION 916.64'
5. ALL ANALYTICAL WORK PERFORMED IN JUNE 2004 WAS ANALYZED USING METHOD 524.1 FOR VOLATILE ORGANIC COMPOUNDS.
6. AUGUST 2007 ANALYTICAL WORK PERFORMED USING CLP METHOD OLM04.2.

SEE FIGURE 1 FOR SUMMARY OF MONITORING WELL INFORMATION WEST OF WHALEY AVE AND PAINE STREET.

SCALE IN FEET: 0 60 120 180

DWG NO.	DATE	DESCRIPTION
DEC 31 ISO.dwg	7/18/94	ISOPOTENTIAL MAP AND CROSS SECTIONS 4/13/94 GROUNDWATER LEVELS MALCOLM PIRNIE INC.
0266G003.dwg	10/17/00	REMEDIAL DESIGN PIPING AND WELL LAYOUT PLAN MALCOLM PIRNIE INC.

REFERENCE DRAWINGS

NO.	DATE	DWN	APP'D	DESCRIPTION
H	6/1/16	KMK	MGS	UPDATED PER APRIL 2016 SAMPLE EVENT
G	12/14/15	KMK	MGS	UPDATED PER OCT 2015 SAMPLE EVENT
F	12/29/14	KMK	MGS	UPDATED PER OCT 2014 SAMPLE EVENT
E	12/5/13	KMK	MGS	UPDATED PER OCT 2013 SAMPLE EVENT
D	7/20/12	KMK	MGS	UPDATED PER FEB/JUNE 2012 SAMPLE EVENT
C	6/8/10	KMK	MGS	UPDATED PER MAY 2010 SAMPLE EVENT
B	6/30/09	KMK	MGS	UPDATED PER MAY 2009 SAMPLE EVENT
A	12/6/07	KMK	MGS	UPDATED PER AUGUST 2007 SAMPLE EVENT

REVISIONS

FIGURE 2
SUMMARY OF GROUNDWATER ANALYTICAL DATA
MR.C'S DRY CLEANERS SITE LOCATION MAP (EAST)
EAST AURORA, NEW YORK

ecology and environment engineering p.c.

170003074.0011.04
MrC_PCE_in_GW_May2016.srf - 06/02/2016

FEET
0 120 240 360

Tetrachloroethene in micrograms per liter
5000
1000
500
100
50
10
5

Legend
J = estimated value
ND = not detected
blank = not sampled
PCE = Tetrachloroethene
(a.k.a. perchloroethylene)
PW-8 60 Well ID with PCE concentration in µg/L

MPI-15B 7.2
MPI-13B-R 2.1 J
PW-8 60
PZ-8C 3.7 J
EE-2 400
PZ-6A 790
PZ-7B
PW-6 27
MPI-6S ND
PW-7
MPI-14B-R ND
MPI-3S ND
MPI-12B
ESI-6 240
EE-3 ND
PZ-4B
PW-4 120
PZ-5A 5600
PZ-5B
MPI-4I 9.1
MPI-8S-R 140
MPI-9S-R ND
MPI-4S 4.9 J
PW-5 620
MW-8 ND
MPI-1S 18
PW-2 270
PZ-2B
PZ-3B 140
MPI-10B
MPI-5S 33
ESI-5-R ND
EE-1
MW-11 1100
MW-7 600 J
PW-3 2.3 J
EE-4
PZ-1B
RW-1
ESI-3 150
MPI-7I-R ND
MPI-2S-R 2.5 J
ESI-2-R ND

EAST AURORA BUICK CADILLAC GMC
Collision Shop
PAINE STREET
MAIN STREET
WHALEY AVENUE
FILLMORE AVENUE
RIDGE ROAD
BOYS AND GIRLS CLUBS
EAST AURORA VILLAGE HALL
WEST PRESBYTERIAN CHURCH SOCIETY
VET HOSPITAL
MR. C's #586
AURORA OUTFITTERS
DOCKS
ELEC. OUTLET
N.Y.S.E.G. SUB-STATION
POOL
FIRE PLACE

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Figure 3
Tetrachloroethene in Groundwater
Mr. C's Dry Cleaners Site
East Aurora, New York
April/May 2016

1703074.0011.04
MrC_cVOC_in_GW_May2016.srf - 06/02/2016

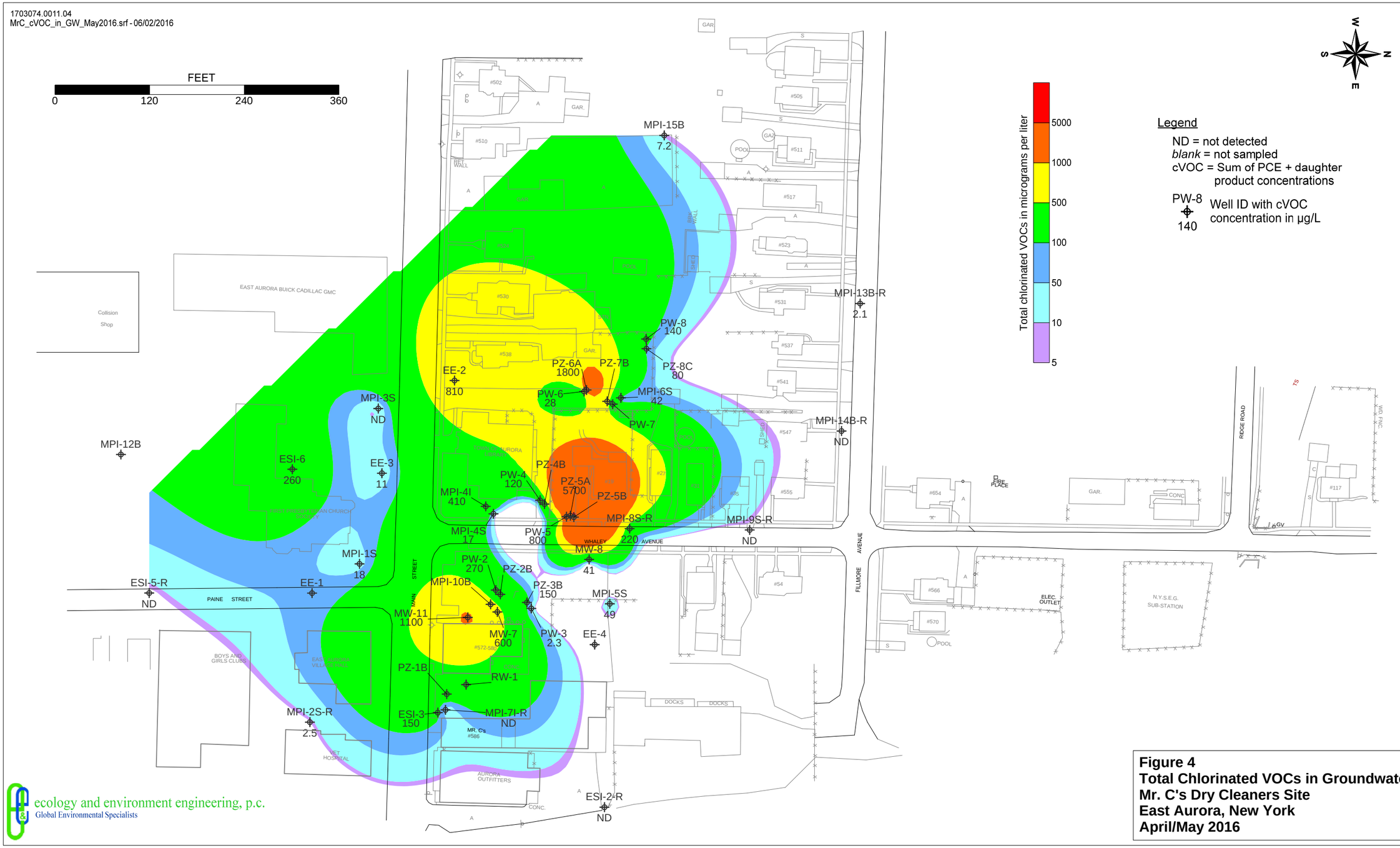

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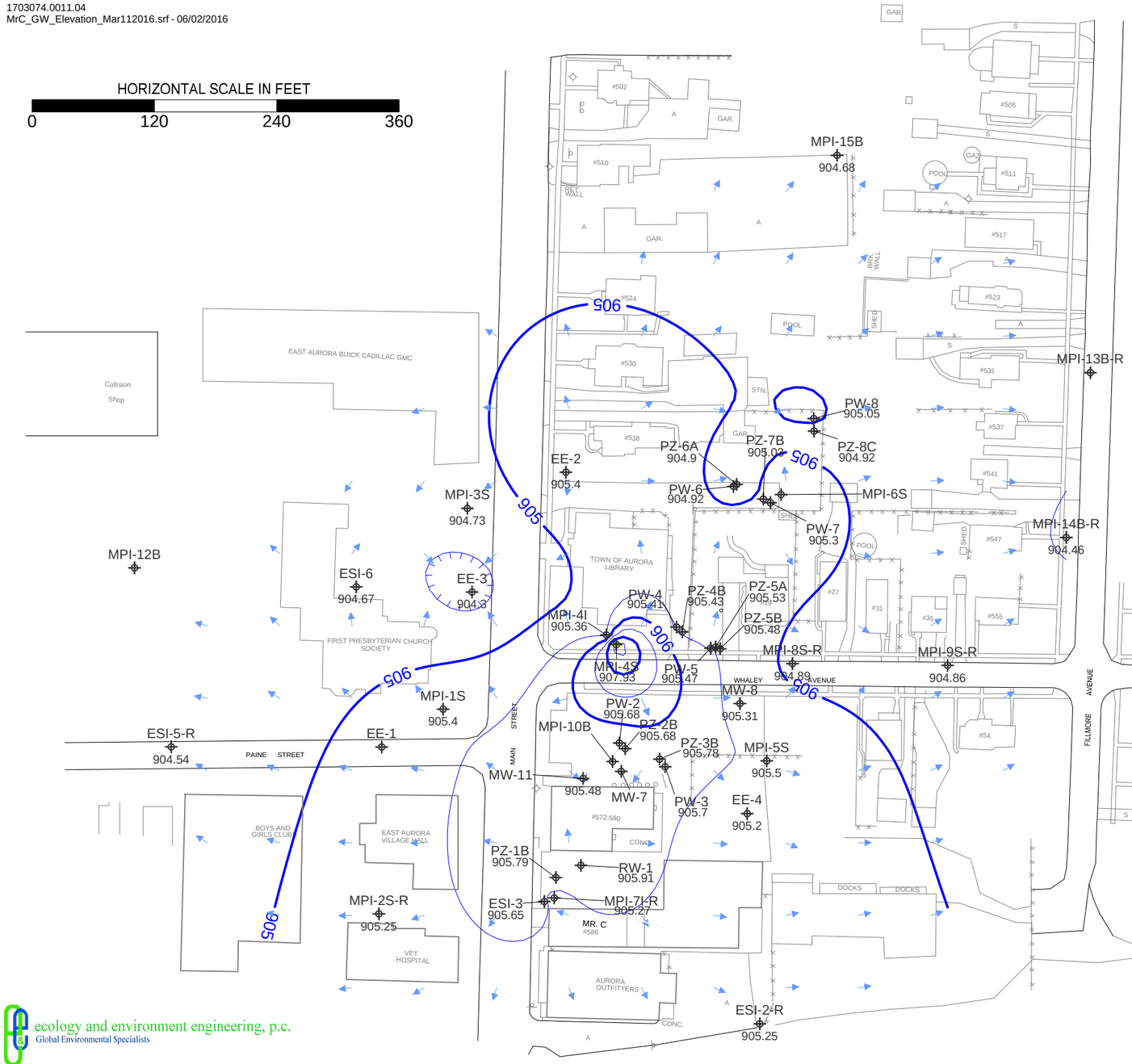
Figure 4
Total Chlorinated VOCs in Groundwater
Mr. C's Dry Cleaners Site
East Aurora, New York
April/May 2016

1703074.0011.04
MrC_GW_Elevation_Mar112016.srf - 06/02/2016

HORIZONTAL SCALE IN FEET
0 120 240 360



N
W
S
E

Legend

MW-8
903.51
Well ID with Measured Groundwater Elevation in Feet Above Mean Sea Level

905
Estimated Groundwater Elevation Isopleth (Feet Above Mean Sea Level) Contour Interval = 0.5 Foot

Groundwater Flow Direction and Relative Magnitude of Gradient

Note: Depth-to-water data from Iyer Environmental Group, 2016.

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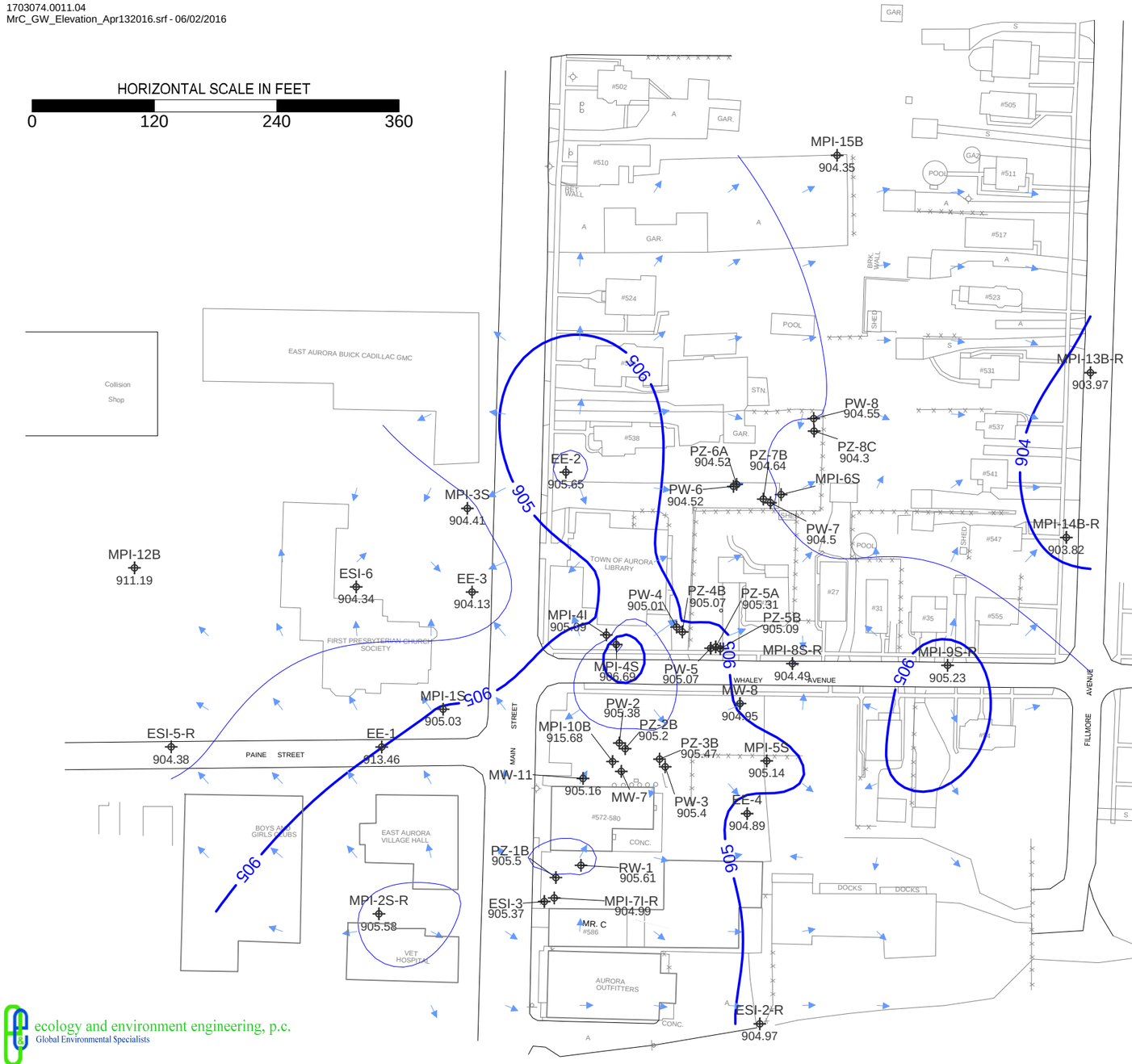
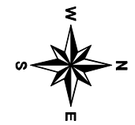
Figure 5A
Groundwater Elevation Isopleths
For the Outwash Aquifer, March 11, 2016
Mr. C's Dry Cleaners Site
East Aurora, New York

1703074.0011.04
MrC_GW_Elevation_Apr132016.srf - 06/02/2016

HORIZONTAL SCALE IN FEET
0 120 240 360





Legend

MW-8
904.95
Well ID with Measured Groundwater Elevation in Feet Above Mean Sea Level

905
Estimated Groundwater Elevation Isopleth (Feet Above Mean Sea Level) Contour Interval = 0.5 Foot

Groundwater Flow Direction and Relative Magnitude of Gradient

Note: Depth-to-water data from Iyer Environmental Group, 2016.

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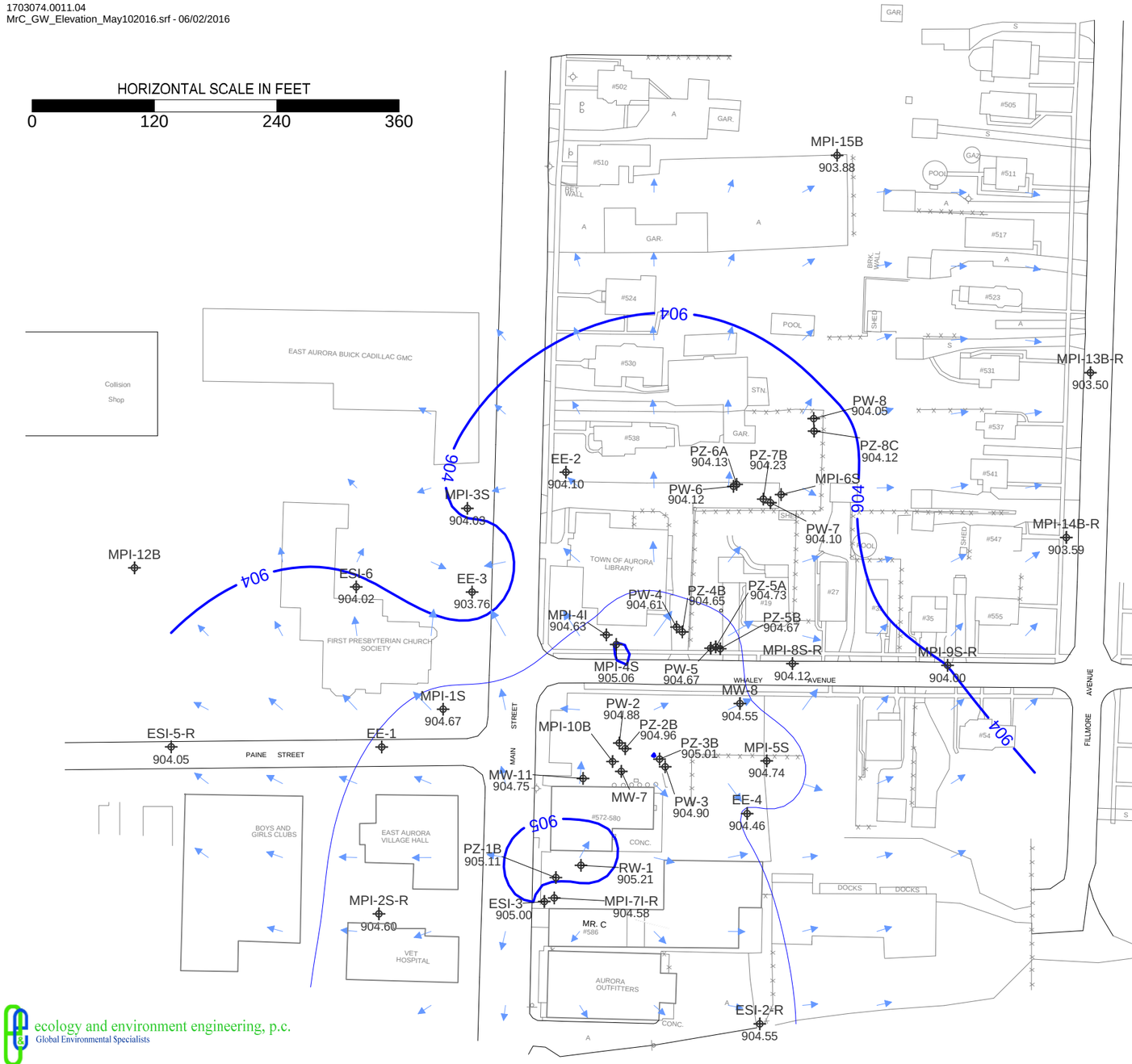
Figure 5B
Groundwater Elevation Isopleths
For the Outwash Aquifer, April 13, 2016
Mr. C's Dry Cleaners Site
East Aurora, New York

1703074.0011.04
MrC_GW_Elevation_May102016.srf - 06/02/2016

HORIZONTAL SCALE IN FEET
0 120 240 360



Legend

MW-8
904.55
Well ID with Measured Groundwater Elevation in Feet Above Mean Sea Level

905
Estimated Groundwater Elevation Isopleth (Feet Above Mean Sea Level) Contour Interval = 0.5 Foot

Groundwater Flow Direction and Relative Magnitude of Gradient

Note: Depth-to-water data from Iyer Environmental Group, 2016.

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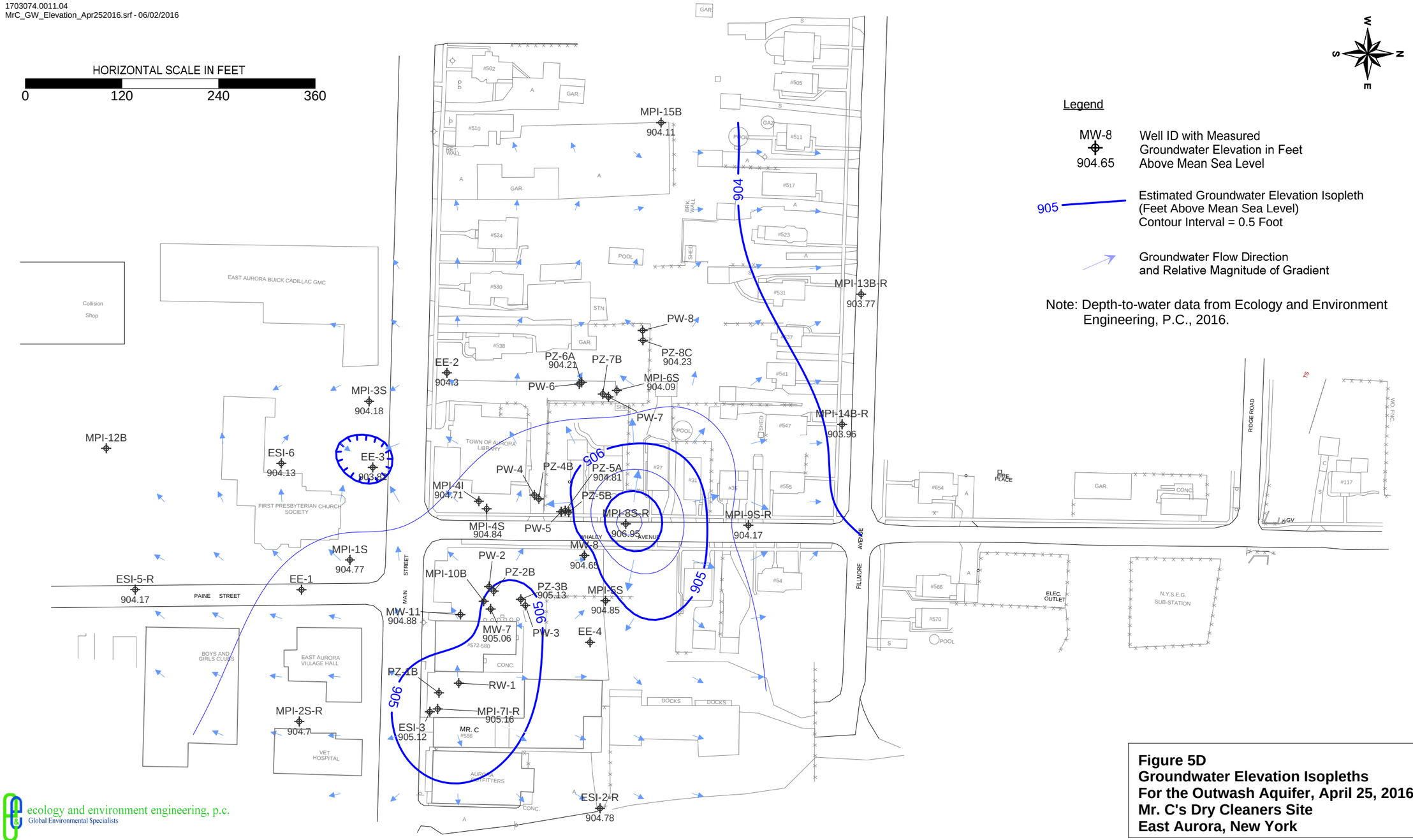
Figure 5C
Groundwater Elevation Isopleths
For the Outwash Aquifer, May 10, 2016
Mr. C's Dry Cleaners Site
East Aurora, New York

1703074.0011.04
MrC_GW_Elevation_Apr252016.srf - 06/02/2016

HORIZONTAL SCALE IN FEET
0 120 240 360



Legend

MW-8
904.65
Well ID with Measured Groundwater Elevation in Feet Above Mean Sea Level

905
Estimated Groundwater Elevation Isopleth (Feet Above Mean Sea Level) Contour Interval = 0.5 Foot

Groundwater Flow Direction and Relative Magnitude of Gradient

Note: Depth-to-water data from Ecology and Environment Engineering, P.C., 2016.

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Figure 5D
Groundwater Elevation Isopleths
For the Outwash Aquifer, April 25, 2016
Mr. C's Dry Cleaners Site
East Aurora, New York

ATTACHMENT A
PURGE LOG

ecology and environment engineering, p.c.
International Specialists in the Environment
BUFFALO CORPORATE CENTER 368 Pleasant View Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

WELL PURGE & SAMPLE RECORD

Site Name/Location: MrC's / East Aurora
Well ID: MW-8
EEEPC Project No.: 10C 3074.0011.04
Date: 4/25/16

Initial Depth to Water: 10.97 feet TOIC
Start Time: 1150
Total Well Depth: 13.00 feet TOIC
End Time: 1250
Depth to Pump: 12.00 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 200 mLpm / gpm
Pump Type: typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 0.438 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm/ mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1150	0	6.98	10.8	-47.8	2.55	4.95	31.5	11.03
1155	1.0	7.19	11.6	-88.6	2.37	0.67	22.4	11.03
1200	2.0	7.18	12.2	-106.9	2.25	0.37	7.16	11.03
1205	3.0	7.19	12.5	-111.8	2.23	0.30	11.5	11.03
1210	4.0	7.21	12.9	-94.6	2.22	0.86	11.5	11.03
1215	5.0	7.20	13.9	-79.8	2.21	1.89	17.2	11.03
1220	6.0	7.21	15.3	-110.5	2.24	0.52	24.5	11.00
1225	7.0	7.23	14.7	-112.9	2.22	0.26	24.6	11.02
1230	8.0	7.18	13.6	-109.3	2.18	0.20	12.5	11.02
1235	9.0	7.16	12.6	-113.1	2.17	0.15	5.94	11.02
1240	10.0	7.15	12.6	-112.8	2.16	0.15	3.50	11.02
1245	11.0	7.13	12.5	-113.6	2.14	0.14	0.63	11.02
1250	12.0	7.12	12.5	-113.6	2.13	0.11	0.51	11.02
					4/25/16			
Final Sample Data:		7.12	12.5	-113.6	2.13	0.11	0.51	11.02

Sample ID: MW-8-APR16
Duplicate? ☐
Dupe Samp ID: —
Sample Time: 1253
MS/MSD? ☐

Analyses: / Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: Sampled at 150 mL/min
Sampler(s): S. Craig, T. Dillon

ecology and environment engineering, p.c.
International Specialists in the Environment
BUFFALO CORPORATE CENTER 368 Pleasant View Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

WELL PURGE & SAMPLE RECORD

Site Name/Location: MrC's / East Aurora
Well ID: MPI-~~5~~5S
EEEPC Project No.: 10C3074.0011.04
Date: 4/25/16

Initial Depth to Water: 11.60 feet TOIC
Total Well Depth: 17.55 feet TOIC
Depth to Pump: 16.55 feet TOIC
Initial Pump Rate: 300 mLpm / gpm
adjusted to: — at — minutes
adjusted to: — at — minutes

Start Time: 1353
End Time: 1433
☐ Bailer ☒ Pump
Pump Type: typhoon
Well Diameter: 2 inches
1x Well Volume: 0.96 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1353	0	7.53	12.6	168.3	2.76	2.14	271.1	11.63
1358	1.5	7.15	11.5	154.4	2.83	0.78	78.1	11.65
1403	3.0	7.14	11.3	136.2	2.90	0.51	31.9	11.66
1408	4.5	7.14	11.4	98.0	2.91	0.33	12.41	11.66
1413	6.0	7.17	11.2	84.3	2.91	0.21	6.83	11.66
1418	7.5	87.18	11.2	62.8	2.90	0.17	4.37	11.66
1423	9.0	7.18	11.2	47.4	2.89	0.16	3.34	11.66
1428	10.5	7.18	11.3	40.3	2.88	0.15	4.30	11.66
1433	12	7.19	11.2	39.2	2.88	0.12	2.47	11.66
Final Sample Data:		7.19	11.2	39.2	2.88	0.12	2.47	11.66

4/25/16

Sample ID: MPI-~~5~~5S APR 16
Sample Time: 1435
~~Duplicate?~~ ☐ Dupe Samp ID: —
~~MS/MSD?~~ ☐

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ VOCs 260
☐ _____ ☐ _____

Comments: Sampled at ~150 ml/min

Sampler(s): S. Craig, T. Dillon

ecology and environment engineering, p.c.
International Specialists in the Environment
BUFFALO CORPORATE CENTER 368 Pleasant View Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: MPI-7IR
EEEPC Project No.: 10C3074.0011.04
Date: 4/25/16

Initial Depth to Water: 10.28 feet TOIC
Start Time: 1505
Total Well Depth: 38.05 feet TOIC
End Time: 1555
Depth to Pump: 37.05 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 150 mLpm / gpm
Pump Type: typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 4.52 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1505	0	7.56	11.0	209.3	3.63	4.64	16.2	11.51
1510	0.750	7.60	11.0	196.1	3.64	4.11	15.7	11.51
1515	1.5	7.66	11.2	190.3	3.64	4.07	15.3	11.51
1520	2.25	7.65	11.3	181.4	3.64	4.01	13.6	11.51
1525	3.0	7.63	11.3	164.9	3.64	3.85	13.2	11.51
1530	3.75	7.59	11.3	86.0	3.63	3.47	11.1	11.51
1535	4.5	7.55	11.3	46.1	3.62	3.17	13.58	11.51
1540	5.25	7.52	11.4	29.8	3.62	3.13	14.59	11.51
1545	6.0	7.47	11.4	22.0	3.62	3.04	11.5	11.51
1550	6.75	7.45	11.4	19.1	3.60	3.01	14.4	11.51
1555	7.5	7.45	11.5	15.2	3.59	3.00	12.1	11.51
Final Sample Data:		7.45	11.5	15.2	3.59	3.00	12.1	11.51

4/25/16

Sample ID: MPI-7IR-APR16
~~Duplicate?~~ ☐
Dupe Samp ID: —
Sample Time: 1558
~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: Sampled at 150 ml/min

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: MW-7
EEEPC Project No.: 10C3074.001.04
Date: 4/26/10

Initial Depth to Water: 10.90 feet TOIC
Start Time: 09:52
Total Well Depth: 14.97 feet TOIC
End Time: 10:20
Depth to Pump: 13.47 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 250.0 ~~Lpm / gpm~~ mL/m
Pump Type: Typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 0.58 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
9:50am	0	7.57	9.8	267.1	2.25	[illegible]	75.0	10.94
9:53am	1.25	7.45	9.8	260.7	2.18	6.41 5.99	66.5	10.94
10:00	2.50	7.42	9.5	258.7	2.17	5.78	37.4	10.94
10:05	3.75	7.42	10.0	257.0	2.01	6.30	15.1	10.94
10:10	5.00	7.44	10.0	258.4	1.86	6.48	5.63	10.94
10:15	6.25	7.45	10.0	260.5	1.75	6.58	2.52	10.94
10:20	7.50	7.45	9.9	263.4	1.75	6.66	1.52	10.94
Final Sample Data:		7.45	9.9	263.4	1.75	6.66	1.52	10.94

Sample ID: MW-7-APR10
~~Duplicate?~~ ☐ Dupe Samp ID: —
Sample Time: 10:25
~~MS/MSD?~~ ☐

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: Sampled at 250 mL/min

Sampler(s): T Dillon, X Xue

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: PZ-3B
EEEPC Project No.: 10C.3074.001.04
Date: 4/26/16

Initial Depth to Water: 11.13 feet TOIC
Start Time: 9:00 am
Total Well Depth: 29.95 feet TOIC
End Time: 11:25
Depth to Pump: 28.95 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 300.0 ~~Lpm / gpm~~ mL/m
Pump Type: Typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 3.06 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
11:00	0	7.76	9.7	252.6	1.18	6.23	43	11.23
11:05	1.5	7.60	10.2	250.8	1.48	3.61	60.9	11.23
11:10	3.0	7.50	10.4	246.8	1.87	2.07	44.3	11.23
11:15	4.5	7.48	10.6	239.9	1.99	1.57	35.5	11.23
11:20	6.0	7.48	10.7	233.2	2.02	1.60	33.2	11.23
11:25	7.5	7.47	10.9	226.3	2.03	1.52	30.0	11.23
Final Sample Data:		7.47	10.9	226.3	2.03	1.52	30.0	11.23

Sample ID: PZ-3B-Apr16
Duplicate? ☒
Dupe Samp ID: PZ-3B-Apr16-Q
Sample Time: 11:25
~~MS/MSD?~~ ☐

Analyses: / Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: Sampled at 250 mL/min

Sampler(s): T. Dillon, X. Xue

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: ESI-3
EEEPC Project No.: 100374.0011.04
Date: 4/26/16

Initial Depth to Water: 10.73 feet TOIC
Start Time: 1250
Total Well Depth: 14.92 feet TOIC
End Time: 1325
Depth to Pump: 13.92 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 200 (mL/pm) gpm
Pump Type: Typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 0.68 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm / mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1250	0	7.64	9.0	285.5	2.55	9.80	17.8	10.73
12:55	1.0	7.53	9.5	279.3	2.68	5.58	14.0	10.73
13:00	2.0	7.48	9.6	276.7	2.78	5.19	15.8	10.73
13:05	3.0	7.43	9.6	274.1	2.86	4.26	11.6	10.73
13:10	4.0	7.41	9.7	270.9	2.90	3.76	11.19	10.73
13:15	5.0	7.39	9.7	267.4	2.91	3.55	8.87	10.73
13:20	6.0	7.38	9.7	263.3	2.91	3.41	9.16	10.73
13:25	7.0	7.38	9.7	259.9	2.92	3.39	8.52	10.73
Final Sample Data:		7.38	9.7	259.9	2.92	3.39	8.52	10.73

Sample ID: ESI-3-APR16
~~Duplicate?~~ ☐
Dupe Samp ID: —
Sample Time: 1327
~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: Sampled at 200 mL/min
Sampler(s): T. Dillon, X Xue

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MW-11

EEEPC Project No.: 10C3074.0011.04 — Date: 4/26/16

Initial Depth to Water: 9.51 feet TOIC — Start Time: 13:52

Total Well Depth: 17.95 feet TOIC — End Time: 1437

Depth to Pump: 16.95 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 ~~Lpm / gpm~~ ml/m — Pump Type: Typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 1.3 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
13:52	0	7.74	10.3	259.7	1.42	6.38	113	9.53
13:57	1.0	7.66	10.7	257.4	1.51	5.23	104.3	9.53
14:02	2.0	7.58	11.0	255.4	1.63	3.77	70.6	9.53
14:07	3.0	7.54	11.0	252.2	1.68	3.07	51.8	9.53
14:12	4.0	7.52	11.1	249.1	1.71	2.76	43.3	9.53
14:17	5.0	7.49	11.2	245.9	1.73	2.75	32.6	9.53
14:22	6.0	7.49	11.2	243.8	1.74	2.33	22.7	9.53
14:27	7.0	7.49	11.2	241.8	1.75	2.15	19.2	9.53
14:32	8.0	7.48	11.2	239.7	1.74	2.12	21.1	9.53
14:37	9.0	7.48	11.1	238.1	1.73	2.15	18.3	9.53
Final Sample Data:		7.48	11.1	238.1	1.73	2.15	18.3	9.53

Sample ID: MW-11 — Duplicate? ☐ — Dupe Samp ID:

Sample Time: 1440 — MS/MSD? ☒

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: MS/MSD

Sampler(s): T. Dillon, Xueqin Xue, S. Craig

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: ESI-5R
EEEPC Project No.: 10C.3074.0011.04
Date: 4/27/16

Initial Depth to Water: 8.02 feet TOIC
Start Time: 0925
Total Well Depth: 14.25 feet TOIC
End Time: 1010
Depth to Pump: 13.25 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 200 (mLpm) / gpm
Pump Type: Typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 1.01 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
0925	0	7.09	10.4	321.5	7.14	1.48	52	8.11
0930	1	6.65	10.7	289.3	7.62	0.61	49.9	8.11
0935	2	6.81	10.9	268.8	7.64	0.39	18.4	8.11
0940	3	6.90	10.9	253.4	7.64	0.48	14.9	8.11
0945	4	6.95	10.9	242.4	7.69	0.57	13.1	8.11
0950	5	6.99	10.8	234.6	7.70	0.67	14.65	8.11
0955	6	7.00	10.7	227.5	7.73	0.64	11.2	8.11
1000	7	7.02	10.7	216.1	7.67	0.66	7.96	8.11
1005	8	7.03	10.6	212.7	7.67	0.68	4.73	8.11
1010	9	7.05	10.8	208.1	7.65	0.71	3.58	8.11
Final Sample Data:		7.05	10.8	208.1	7.65	0.71	3.58	8.11

4/27/16

Sample ID: ESI-5R-APR16
~~Duplicate?~~ ☐
Dupe Samp ID: —
Sample Time: 1012
~~MS/MSD?~~ ☐

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon, X. Xue

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MSC's / East Aurora
Well ID: EE-2
EEEPC Project No.: 10C 3074.0011.01
Date: 4/27/16

Initial Depth to Water: 12.00 feet TOIC
Start Time: 10:50
Total Well Depth: 31.52 feet TOIC
End Time:
Depth to Pump: 30.52 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 150 mLpm / gpm
Pump Type: typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 3.18 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
10:50	0	7.29	13.4	-39.0	3.57	12.3	>1000	12.54
10:55	0.75	7.12	13.6	-81.0	3.64	0.13	>1000	12.54
11:00	1.5	7.12	13.8	-82.5	3.61	0.13	>1000	12.54
1105	2.25	7.12	13.8	-82.4	3.59	0.17	>1000	12.54
1110	3.0	7.11	13.9	-84.0	3.57	0.13	~~>1000~~	12.54
1115	3.75	7.11	13.9	-84.8	3.57	0.11	654	12.54
1120	4.5	7.11	13.8	-84.0	3.57	0.11	124	12.54
1125	5.25	7.11	13.8	-83.7	3.57	0.10	131	12.54
1130	6.0	7.11	13.8	-84.2	3.57	0.10	153	12.54
1135	6.75	7.12	13.8	-83.7	3.57	0.12	88.7	12.54
1140	7.5	7.11	13.8	-83.4	3.57	0.11	65.3	12.54
1145	8.25	7.11	13.8	-83.6	3.56	0.11	49.1	12.54
1150	9.0	7.12	14.0	-83.7	3.56	0.11	41.0	12.54
1155	9.75	7.12	13.9	-84.1	3.56	0.11	33.2	12.52
						4/27/16		
Final Sample Data:		7.12	13.9	-84.1	3.56	0.11	33.2	12.54

Sample ID: EE-2-APR16
Duplicate? ☐
Dupe Samp ID: —
Sample Time: 1157
MS/MSD? ☐

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments:

Sampler(s): S. Craig, T. Dillon, X. Xue

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: PZ-6A
EEEPC Project No.: 10C3074.0011.04
Date: 4/27/16

Initial Depth to Water: 11.35 feet TOIC
Start Time: 13:25
Total Well Depth: 28.68 feet TOIC
End Time: 14:10
Depth to Pump: _____ feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 150 (mL/pm) / gpm
Pump Type: typhoon
adjusted to: _____ at _____ minutes
Well Diameter: 2 inches
adjusted to: _____ at _____ minutes
1x Well Volume: 2.82 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
13:25	0	7.19	11.8	143.2	4.25	3.79	163	11.50
13:30	0.75	7.13	11.4	59.0	4.24	0.92	143	11.50
13:35	1.5	7.08	11.5	35.7	4.2	0.52	13.5	11.50
13:40	2.25	7.07	11.3	31.5	4.18	0.42	104.7	11.50
13:45	3.0	7.05	11.3	25.9	4.15	0.32	71.7	11.50
13:50	3.75	7.04	11.2	16.1	4.15	0.26	52.0	11.50
13:55	4.50	7.04	11.2	9.7	4.14	0.22	41.6	11.50
14:00	5.25	7.03	11.1	2.9	4.15	0.22	34.2	11.50
14:05	6.00	7.03	11.1	0	4.15	0.21	32.07	11.50
14:10	6.75	7.03	11.1	-4.0	4.16	0.21	31.0	11.50
Final Sample Data:		7.03	11.1	-4.0	4.16	0.21	31.0	11.50

Sample ID: PZ-6A APR16
~~Duplicate?~~ ☐
Dupe Samp ID: —
Sample Time: 14:10
~~MS/MSD?~~ ☐

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: _____

Sampler(s): T Dillon, S Craig, X Xue

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MrC's / East Aurora — Well ID: PZ-8C

EEEPC Project No.: 10C3074.0011.04 — Date: 4/27/16

Initial Depth to Water: 7.47 feet TOIC — Start Time: 1425

Total Well Depth: 29.16 feet TOIC — End Time: 1510

Depth to Pump: 28.16 feet TOIC — ☐ Bailer ☑ Pump

Initial Pump Rate: 150 (mL/pm) / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 3.53 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1425	0	6.72	11.5	149.7	3.13	3.55	29.2	~~10.7446~~ 7.47
1430	0.75	6.94	11.5	-194.4	3.10	3.11	27.1	7.48
1435	1.5	7.07	11.2	-144.1	3.26	2.08	24.1	7.48
1440	2.25	7.11	11.1	-140.3	3.31	1.75	18.0	7.48
1445	3.0	7.11	11.1	-139.1	3.37	1.49	15.7	7.48
1450	3.75	7.11	11.0	-141.6	3.39	1.20	14.2	7.48
1500	4.5	7.10	10.9	-140.1	3.41	0.96	12.4	7.48
1505	5.25	7.09	10.9	-139.7	3.44	0.90	13.8	7.48
1510	6.0	7.09	10.9	-138.2	3.45	0.89	13.84	7.48
					4/27/16			
Final Sample Data:		7.09	10.9	-138.2	3.45	0.89	13.84	7.48

Sample ID: PZ-8C-APR16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: ———

Sample Time: 1512 — ~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon, K. Kane

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: MPI-6S
EEEPC Project No.: 10C3074.0011.04
Date: 4/28/16

Initial Depth to Water: 10.94 feet TOIC
Start Time: 0913
Total Well Depth: 21.52 feet TOIC
End Time: 0958
Depth to Pump: 20.52 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 150 mL/pm / gpm
Pump Type: typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 1.72 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
0913	0	6.01	9.7	-54.1	1.81	0.62	13.8	11.49
0918	0.75	6.10	9.7	-63.5	1.89	0.51	12.9	11.72
0923	1.5	6.14	9.9	-77.4	1.93	0.32	12.5	11.93
0928	2.25	6.16	9.9	-86.3	2.08	0.31	13.0	11.71
0933	3.0	6.15	10.0	-90.1	2.17	0.23	11.4	11.70
0938	3.75	6.13	10.0	-93.7	2.26	0.21	11.9	11.93
0943	4.5	6.12	10.1	-97.3	2.32	0.19	12.1	11.94
0948	5.25	6.13	10.0	-99.8	2.37	0.19	12.4	11.94
0953	6.0	6.13	10.1	-102.2	2.40	0.17	12.12	11.94
0958	6.75	6.13	10.0	-103.4	2.41	0.18		11.94
						4/28/16		
Final Sample Data:		6.13	10.0	-103.4	2.41	0.18	12.	11.94

Sample ID: MPI-6S-APR16
~~Duplicate?~~ ☐
Dupe Samp ID: —
Sample Time: 1000
~~MS/MSD?~~ ☐

Analyses: / Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: Strong organic / Sulfur odor

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MPI-4I

EEEPC Project No.: 10C.3074.0011.04 — Date: 4/28/16

Initial Depth to Water: 10.95 feet TOIC — Start Time: 1045

Total Well Depth: 41.90 feet TOIC — End Time: 1110

Depth to Pump: 40.90 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 mLpm / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 5.04 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1045	0	6.57	11.5	410.9	2.28	1.00	27.8	11.40
1050	1	6.73	11.7	-130	2.28	0.52	30.5	11.40
1055	2	6.87	11.6	-138.5	2.27	0.44	17.4	11.32
1100	3	6.97	11.8	-143.5	2.24	0.43	12.7	11.32
1105	4	7.02	11.7	-144.4	2.21	0.48	14.52	11.32
1110	5	7.04	11.5	-144.0	2.20	0.50	11.9	11.32
Final Sample Data:		7.04	11.5	-144.0	2.20	0.50	11.9	11.32

Sample ID: MPI-4I-APR16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: —

Sample Time: 1112 — ~~MS/MSD?~~ ☐

Analyses: — Methods: — Comments:

☒ VOCs — ☐ CLP

☐ SVOCs — ☐ SW846

☐ PCBs — ☐ Drink. Wtr.

☐ Metals — ☐ 8260C

☐ _____ — ☐ _____

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MRC's / East Aurora — Well ID: MPI-4S

EEEPC Project No.: 10C3074.0011.04 — Date: 4/28/16

Initial Depth to Water: 9.98 feet TOIC — Start Time: 1045

Total Well Depth: 20.73 feet TOIC — End Time: 1120

Depth to Pump: ~~19.73~~ feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 (mLpm) / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 1.75 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1045	0	6.75	10.8	-98.4	4.61	2.30	71000	10.31
1050	1	6.83	10.9	-87.3	4.79	053	71000	10.31
1055	2	6.86	10.8	-67.9	4.79	0.37	48	10.31
1100	3	6.87	10.9	-55.2	4.70	0.38	27.1	10.31
1105	4	6.88	10.8	-48.5	4.49	0.49	19.6	10.31
1110	5	6.90	10.8	-43.8	4.24	0.88	15.5	10.31
1115	6	6.88	10.9	-42.3	4.23	0.92	14.11	10.31
1120	7	6.88	10.8	-41.6	4.27	0.88	12.15	10.31
Final Sample Data:		6.88	10.8	-41.6	4.27	0.88	12.15	10.31

4/28/16

Sample ID: MPI-4S-APR16 — Duplicate? ☒ — Dupe Samp ID: MPI-4S-APR16-Q

Sample Time: 1122 — MS/MSD? ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MrC's / East Aurora — Well ID: PZ-5A

EEEPC Project No.: 10C3074.0011.04 — Date: 4/28/16

Initial Depth to Water: 10.35 feet TOIC — Start Time: 1223

Total Well Depth: 28.35 feet TOIC — End Time: 1258

Depth to Pump: 27.35 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 250 mLpm / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 2.93 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1223	0	7.47	11.7	106.1	2.65	4.04	31.8	10.59
1228	1.25	7.28	12.2	121.4	2.75	0.48	23.3	10.62
1233	2.5	7.23	12.2	113.4	2.70	0.34	18.4	10.58
1238	3.75	7.22	12.3	119.2	2.66	0.30	14.5	10.58
1243	5.0	7.21	12.2	118.1	2.61	0.29	13.64	10.58
1248	6.25	7.20	12.3	118.5	2.59	0.31	12.94	10.58
1253	7.5	7.19	12.3	119.7	2.58	0.31	9.18	10.58
1258	8.75	7.19	12.3	117.6	2.57	0.30	7.42	10.58
						4/28/16		
Final Sample Data:		7.19	12.3	117.6	2.57	0.30	7.42	10.58

Sample ID: PZ-5A-APR16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: —

Sample Time: 1300 — ~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MPI-8SR

EEEPC Project No.: 10C3074.0011.04 — Date: 4/28/16

Initial Depth to Water: 7.01 feet TOIC — Start Time: 1317

Total Well Depth: 17.40 feet TOIC — End Time: 1357

Depth to Pump: 16.40 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 (mLpm) / gpm — Pump Type: Typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 1.69 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm/nS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1317	0	7.26	11.4	-89.1	3.47	6.97	20.8	9.72
1322	1	7.24	11.4	-95.4	3.00	0.63	14.0	9.72
1327	2	7.25	11.2	-78.0	2.69	0.41	10.92	9.72
1332	3	7.26	11.2	-59.1	2.59	0.31	6.13	9.72
1337	4	7.26	11.1	-48.1	2.58	0.29	4.05	9.72
1342	5	7.24	11.1	-37.7	2.60	0.27	3.49	9.72
1348	6	7.24	11.1	-35.3	2.64	0.18	2.79	9.72
1352	7	7.24	11.0	-33.1	2.69	0.18	2.73	9.72
1357	8	7.23	11.1	-32.0	2.71	0.17	2.72	9.72
						4/28/16		
Final Sample Data:		7.23	11.1	-32.0	2.71	0.17	2.72	9.72

Sample ID: MPI-8SR-APR16 — Duplicate? ☐ — Dupe Samp ID: —

Sample Time: 1359 — MS/MSD? ☒

Analyses:	Methods:	Comments:
☒ VOCs	☐ CLP	
☐ SVOCs	☐ SW846	
☐ PCBs	☐ Drink. Wtr.	
☐ Metals	☒ 8260C	
☐ _____	☐ _____	Sampler(s): S. Clancy, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MrC's / East Aurora
Well ID: MPI-9SR
EEEPC Project No.: 10C3074.0011 04
Date: 4/28/16

Initial Depth to Water: 9.21 feet TOIC
Start Time: 1427
Total Well Depth: 17.48 feet TOIC
End Time: 1507
Depth to Pump: 16.48 feet TOIC
☐ Bailer ☑ Pump
Initial Pump Rate: 250 (mL/pm) gpm
Pump Type: tephoam
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: 1.34 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1427	0	7.68	11.8	92.8	1.45	1.16	831	9.29
1432	1.25	7.56	12.0	90.0	1.49	0.63	57	9.31
1437	2.50	7.56	12.0	82.4	1.39	0.72	62.9	9.31
1442	3.75	7.57	12.1	76.8	1.42	0.81	60.5	9.31
1447	5.0	7.55	12.1	71.8	1.50	0.75	51.9	9.31
1452	6.25	7.50	12.2	68.6	1.63	0.77	50.6	9.31
1457	7.5	7.45	12.2	65.6	1.79	0.71	41.8	9.31
1502	8.75	7.41	12.1	62.8	1.79	0.71	33.9	9.31
1507	10	7.39	12.2	61.2	1.81	0.69	25.1	9.31
Final Sample Data:		7.39	12.2	61.2	1.81	0.69	25.1	9.31

4/28/16

Sample ID: MPI-9SR
Duplicate? ☐
Dupe Samp ID: —
Sample Time: 1510
MS/MSD? ☐

Analyses: Methods:
☑ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☑ 8260C
☐ _____ ☐ _____

Comments:

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: EE-3
EEEPC Project No.: 10C3074.0011;04
Date: 4/29/16

Initial Depth to Water: 10.82 feet TOIC
Start Time: 0925
Total Well Depth: 28.00 feet TOIC
End Time: 1015
Depth to Pump: 27.00 feet TOIC
☐ Bailer ☒ Pump
Initial Pump Rate: 200 (mL)pm / gpm
Pump Type: typhoon
adjusted to: — at — minutes
Well Diameter: 2 inches
adjusted to: — at — minutes
1x Well Volume: _____ gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
0925	0	6.48	11.5	-75.4	4.96	0.28	7000	10.86
0930	1	6.61	11.5	-90.2	4.97	0.19	108	10.86
0935	2	6.71	11.6	-97.9	4.98	0.17	43	10.86
0940	3	6.80	11.7	-105.9	4.98	0.16	12.66	10.86
0945	4	6.84	11.7	-109.1	4.98	0.15	4.55	10.86
0950	5	6.87	11.8	-113.1	4.98	0.21	6.28	10.86
0955	6	6.89	11.9	-115.8	4.98	0.29	10.21	10.86
1000	7	6.91	11.9	-117.7	4.98	0.19	3.15	10.86
1005	8	6.93	11.9	-119.2	4.98	0.13	3.09	10.86
1010	9	6.94	11.9	-120.4	4.98	0.14	2.38	10.86
1015	10	6.94	11.9	-121.1	4.98	0.14	2.95	10.86
						4/29/16		
Final Sample Data:		6.94	11.9	-121.1	4.98	0.14	2.95	10.86

Sample ID: EE-3-APR16
Duplicate? ☐
Dupe Samp ID: —
Sample Time: 1017
MS/MSD? ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon

Well Purge Form - EEEPC.xls

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora
Well ID: MPI-3S
EEEPC Project No.: 10C 8074.0011.04
Date: 4/29/16

Initial Depth to Water: 10.22 feet TOIC
Total Well Depth: 17.88 feet TOIC
Depth to Pump: 16.88 feet TOIC
Initial Pump Rate: 250 (mLpm)/ gpm
adjusted to: — at — minutes
adjusted to: — at — minutes

Start Time: 1030
End Time: 1105
☐ Bailer ☒ Pump
Pump Type: typhoon
Well Diameter: 2 inches
1x Well Volume: 1.24 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1030	0	7.20	-141.0	10.4	2.70	0.18	71000	10.40
1035	1.25	7.18	10.4	-143.2	2.69	0.19	986	10.40
1040	2.5	7.14	10.5	-136.7	2.70	0.14	106.2	10.40
1045	3.75	7.12	10.6	-130.5	2.70	0.13	72.1	10.40
1050	5.0	7.11	10.7	-127.0	2.71	0.15	51.0	10.40
1055	6.25	7.11	10.7	-126.6	2.73	0.16	36.6	10.40
1100	7.5	7.11	10.7	-126.9	2.73	0.16	28.8	10.40
1105	8.75	7.11	10.8	-127.1	2.72	0.15	26.3	10.40
					4/29/16			
Final Sample Data:		7.11	10.8	-127.1	2.72	0.15	26.3	10.40

Sample ID: MPI-3S-APR16
Sample Time: 1107
~~Duplicate?~~ ☐ Dupe Samp ID: —
~~MS/MSD?~~ ☐

Analyses: Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments:
Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MPT-1S

EEEPC Project No.: 10C3074.0011.04 — Date: 4/29/16

Initial Depth to Water: 10.31 feet TOIC — Start Time: 1117

Total Well Depth: 19.00 feet TOIC — End Time: 1157

Depth to Pump: 18.00 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 mLpm / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: ____ gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1117	0	7.56	10.07	31.0	1.93	3.40	63.9	10.30
1122	1	7.54	10.8	34.4	1.96	3.01	61.5	10.42
1127	2	7.52	10.5	41.5	1.96	3.02	45.8	10.45
1132	3	7.50	11.0	47.8	1.96	2.74	28.3	10.53
1137	4	7.49	10.7	53.3	1.97	2.52	22.9	10.53
1142	5	7.47	11.00	59.5	1.97	2.70	15.9	10.53
1147	6	7.46	11.00	62.2	1.99	2.70	11.2	10.53
1152	7	7.45	11.00	64.0	2.04	2.76	11.01	10.53
1157	8	7.45	10.9	62.0	2.01	2.75	10.8	10.53
Final Sample Data:		7.45	10.9°	62.0	2.01	2.45	10.8	10.53

4/29/16

Sample ID: MPT-1S APR16 — Duplicate? ☐ — Dupe Samp ID: ____

Sample Time: 1200 — MS/MSD? ☐

Analyses: / Methods:

- ☒ VOCs / ☐ CLP
- ☐ SVOCs / ☐ SW846
- ☐ PCBs / ☐ Drink. Wtr.
- ☐ Metals / ☒ 8260C
- ☐ ____ / ☐ ____

Comments: ____

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: MrC's / East Aurora
Well ID: MPI-2SR
EEEPC Project No.: 10C3074.0011.04
Date: 4/29/16

Initial Depth to Water: 10.93 feet TOIC
Start Time: 1245
Total Well Depth: 18.37 feet TOIC
End Time: 1315
Depth to Pump: 17.37 feet TOIC
☐ Bailer ☑ Pump
Initial Pump Rate: 250 (mLpm) / gpm
Pump Type: typhoon
adjusted to: _____ at _____ minutes
Well Diameter: 2 inches
adjusted to: _____ at _____ minutes
1x Well Volume: 1.21 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1245	0	7.40	11.0	142.1	1.76	8.04	600	10.97
1250	1.25	7.38	11.1	143.3	1.76	5.90	152	10.97
1255	2.5	7.32	11.2	143.3	1.76	5.24	67.8	10.97
1300	3.75	7.31	11.3	142.9	1.76	5.24	36.7	10.97
1305	5.0	7.30	11.3	142.5	1.76	5.30	27.3	10.97
1310	6.25	7.32	11.3	142.2	1.76	5.20	27.5	10.97
1315	7.5	7.29	11.3	141.7	1.75	5.19	27.1	10.97
Final Sample Data:		7.29	11.3	141.7	1.75	5.19	27.1	10.97

4/29/16

Sample ID: MPI-2SR-APR16
Duplicate? ☐
Dupe Samp ID: —
Sample Time: 1317
MS/MSD? ☐

Analyses: / Methods:
☒ VOCs ☐ CLP
☐ SVOCs ☐ SW846
☐ PCBs ☐ Drink. Wtr.
☐ Metals ☒ 8260C
☐ _____ ☐ _____

Comments: _____

Sampler(s): S. Cary, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: ESI-6

EEEPC Project No.: 10C3074 C0110 04 — Date: 4/29/16

Initial Depth to Water: 10.35 feet TOIC — Start Time: 1355

Total Well Depth: 16.35 feet TOIC — End Time: 1450

Depth to Pump: 15.35 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 mLpm / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2 inches

adjusted to: — at — minutes — 1x Well Volume: 0.97 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1355	0	7.40	11.9	165.2	4.26	1.66	>1000	10.35
1400	1	7.27	12.1	161.8	4.28	0.62	931	10.35
1405	2	7.23	12.2	159.4	4.29	0.43	49.5	10.35
1410	3	7.20	12.3	154.8	4.29	0.42	34.8	10.35
1415	4	7.19	12.3	149.7	4.29	0.35	17.9	10.35
1420	5	7.18	12.3	143.0	4.29	0.33	11.9	10.35
1425	6	7.16	12.3	135.3	4.29	0.34	9.43	10.35
1430	7	7.16	12.4	125.7	4.29	0.47	7.63	10.35
1435	8	7.16	12.3	116.4	4.30	0.29	6.41	10.35
1440	9	7.16	12.3	99.3	4.30	0.25	4.25	10.35
1445	10	7.15	12.3	94.7	4.29	0.21	3.49	10.35
1450	11	7.16	12.3	91.7	4.30	0.19	3.37	10.35
					4/29/16			
Final Sample Data:		7.16	12.3	91.7	4.30	0.19	3.37	10.35

Sample ID: ESI-6-APR16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: —

Sample Time: 1452 — ~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon

ecology and environment engineering, p.c.
International Specialists in the Environment
BUFFALO CORPORATE CENTER 368 Pleasant View Drive, Lancaster, New York 14086
Tel: 716/684-8060, Fax: 716/684-0844

WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MPI-13BR

EEEPC Project No.: 10C3074.0011.04 — Date: 5/2/16

Initial Depth to Water: 8.92 feet TOIC — Start Time: 0945

Total Well Depth: 30.87 feet TOIC — End Time: 1055

Depth to Pump: ~~320~~ 29.87 feet TOIC — ☐ Bailer ☒ Pump

Initial Pump Rate: 200 (M) Lpm / gpm — Pump Type: typhoon

adjusted to: - at - minutes — Well Diameter: 2 inches

adjusted to: - at - minutes — 1x Well Volume: 3.57 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
0945	0	6.34	10.8	0.3	1.75	0.82	71000	8.91
0950	1	6.59	10.6	-30.1	1.77	0.53	>1000	8.91
0955	2	6.75	10.7	-19.8	1.78	0.39	>1000	8.91
1000	3	6.81	10.6	-9.9	1.79	0.38	830	8.91
1005	4	6.88	10.7	1.4	1.80	0.38	681	8.91
1010	5	6.92	10.7	6.9	1.82	0.51	602	8.91
1015	6	6.94	10.8	6.7	1.84	0.35	123	8.91
1020	7	6.95	10.7	4.6	1.87	0.33	106	8.91
1025	8	6.96	10.7	2.3	1.86	0.30	86	8.91
1030	9	6.96	10.7	0.1	1.92	0.31	77	8.91
1035	10	6.96	10.7	-2.5	1.96	0.31	61	8.91
1040	11	6.97	10.7	-5.1	1.99	0.27	50	8.91
1045	12	6.97	10.7	-8.4	2.02	0.27	43	8.91
1050	13	6.97	10.7	-9.1	2.04	0.26	31	8.91
1055	14	6.97	10.7	-9.2	2.04	0.25	27	8.91
Final Sample Data:		6.97	10.7	-9.2	2.04	0.25	27	8.91

Sample ID: MPI-13BR-MAY16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: —

Sample Time: 1057 — ~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Quig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MPI-14BR

EEEPC Project No.: 10C3074.0011.04 — Date: 5/2/16

Initial Depth to Water: 9.75 feet TOIC — Start Time: 1125

Total Well Depth: 28.21 feet TOIC — End Time: ~~1~~ 1235

Depth to Pump: 27.21 feet TOIC — ☐ Bailer ☑ Pump

Initial Pump Rate: 250 (mL)pm / gpm — Pump Type: typhoon

adjusted to: — at — minutes — Well Diameter: 2" inches

adjusted to: — at — minutes — 1x Well Volume: 3.0 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1125	0	7.15	10.9	-89.1	2.09	0.43	71000	9.76
1130	1.25	7.08	11.0	-97.4	2.11	0.31	71000	9.76
1135	2.5	6.94	11.1	-103.2	2.14	0.19	71000	9.76
1140	3.75	6.93	11.0	-99.4	2.14	0.24	71000	9.76
1145	5.0	6.92	11.0	-95.4	2.14	0.13	71000	9.76
1150	6.25	6.92	11.0	-90.7	2.14	0.15	71000	9.76
1155	7.5	6.92	11.0	-85.2	2.14	0.13	71000	9.76
1200	8.75	6.92	11.0	-79.9	2.15	0.11	71000	9.76
1205	10.0	6.92	11.0	-74.5	2.16	0.10	852	9.76
1210	11.25	6.92	11.0	-72.6	2.18	0.13	776	9.76
1215	12.5	6.92	11.0	-68.9	2.19	0.13	82	9.76
1220	13.75	6.92	11.0	-65.1	2.22	0.12	50	9.76
1225	15.0	6.92	11.0	-55.9	2.24	0.11	34	9.76
1230	16.25	6.92	10.9	-58.2	2.25	0.13	38	9.76
1235	17.5	6.92	10.9	-60.6	2.25	0.14	34	9.76
Final Sample Data:		6.92	10.9	-60.6	2.25	0.14	34	9.74

Sample ID: MPI-14BR-MAY16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: —

Sample Time: 1237 — ~~MS/MSD?~~ ☐

Analyses:	Methods:	Comments:
☒ VOCs	☐ CLP	
☐ SVOCs	☐ SW846	
☐ PCBs	☐ Drink. Wtr.	
☐ Metals	☒ VOC 8260C	
☐ _____	☐ _____	Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: MPT-15B
EEEPC Project No.: 10C3074.0011.04 — Date: 5/2/16

Initial Depth to Water: 9.61 feet TOIC — Start Time: 1350
Total Well Depth: 18.30 feet TOIC — End Time: 1435
Depth to Pump: 17.30 feet TOIC — ☐ Bailer ☒ Pump
Initial Pump Rate: 100 (mLpm) / gpm — Pump Type: typhoon II
adjusted to: — at — minutes — Well Diameter: 2 inches
adjusted to: — at — minutes — 1x Well Volume: 1.41 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1350	0	7.62	10.4	153.1	1.62	8.70	735	9.79
1355	0.5	7.59	10.6	153.1	1.62	7.70	603	9.79
1400	1.0	7.50	10.8	-1.3	1.63	5.90	615	9.79
1405	1.5	7.41	10.8	-75.7	1.65	4.58	49	9.79
1410	2.0	7.31	10.9	-100.2	1.64	3.62	37	9.79
1415	2.5	7.24	10.9	-108.7	1.69	2.17	23	9.79
1420	3.0	7.19	10.9	-116.6	1.70	1.47	0	9.79
1425	3.5	7.17	11.0	-122.9	1.71	1.17	0	9.79
1430	4.0	7.15	11.0	-127.5	1.72	1.13	0	9.79
1435	4.5	7.15	11.0	-129.7	1.72	1.16	0	9.79
Final Sample Data:		7.15	11.0	-129.7	1.72	1.16	0	9.79

5/2/16

Sample ID: MPT-15B-MAY16 — Duplicate? ☐ — Dupe Samp ID: —
Sample Time: 1437 — MS/MSD? ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon

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WELL PURGE & SAMPLE RECORD

Site Name/Location: Mr C's / East Aurora — Well ID: ESI-2R
EEEPC Project No.: 10C3074.0011.04 — Date: 5/2/16

Initial Depth to Water: 12.66 feet TOIC — Start Time: 1500
Total Well Depth: 19.04 feet TOIC — End Time: 1535
Depth to Pump: 18.04 feet TOIC — ☐ Bailer ☒ Pump
Initial Pump Rate: 200 (mL)pm / gpm — Pump Type: typhoon
adjusted to: — at — minutes — Well Diameter: 2 inches
adjusted to: — at — minutes — 1x Well Volume: 1.04 gallons

Time	Purge Volume (gallons/liters)	pH (s.u.)	Temp. (°C/°F)	ORP (mV)	Conductivity (µS/cm mS/cm)	DO (mg/L)	Turbidity (NTU)	Water Level (feet)
1500	0	7.18	11.8	-91.8	3.17	2.45	71000	12.68
1505	1	6.86	12.0	-92.3	3.08	1.85	766	12.68
1510	2	6.86	12.0	-73.6	2.40	2.57	50	12.68
1515	3	6.85	12.1	-59.5	2.12	2.74	1.00	12.68
1520	4	6.83	12.1	-50.5	2.02	3.08	19.6	12.68
1525	5	6.82	12.1	-45.9	1.99	2.90	11.7	12.68
1530	6	6.81	12.1	-44.4	1.97	2.90		12.68
1535	7	6.81	12.1	-40.1	1.96	2.92		12.68
					5/2/16			
Final Sample Data:		6.81	12.1	-40.1	1.96	2.92		12.68

Sample ID: ESI-2R-MAY16 — ~~Duplicate?~~ ☐ — Dupe Samp ID: —
Sample Time: 1540 — ~~MS/MSD?~~ ☐

Analyses:	Methods:
☒ VOCs	☐ CLP
☐ SVOCs	☐ SW846
☐ PCBs	☐ Drink. Wtr.
☐ Metals	☒ 8260C
☐ _____	☐ _____

Comments: _____

Sampler(s): S. Craig, T. Dillon

ATTACHMENT B
IEG Water Levels

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: May 10-11, 2016 **Measurements taken by:** R. Allen

RW-1	11.10 ft	
PZ-1A	11.05 ft	
PZ-1B	10.86 ft	
PZ-1C	12.00 ft	
PZ-1D	12.17 ft	
PW-2	10.70 ft	
PZ-2A	10.67 ft	
PZ-2B	11.01 ft	
PZ-2C	10.51 ft	
MW-7	11.02 ft	Substitute for 2D
PW-3	11.30 ft	
PZ-3A	11.19 ft	
PZ-3B	11.25 ft	
PZ-3C	11.73 ft	
PZ-3D	11.23 ft	
PW-4	10.60 ft	
PZ-4A	11.38 ft	
PZ-4B	10.54 ft	
PZ-4C	----- ft	Sealed Over
PZ-4D	10.17 ft	

PW-5	10.10 ft	
PZ-5A	10.43 ft	
PZ-5B	10.54 ft	
PZ-5C	10.13 ft	
PZ-5D	10.92 ft	
PW-6	11.30 ft	
PZ-6A	11.43 ft	
PZ-6B	11.29 ft	
PZ-6C	11.56 ft	
PZ-6D	11.28 ft	Shown as RW-2 on Map
PW-7	10.80 ft	
MPI-6S	11.04 ft	Needs Bolt
PZ-7B	11.11 ft	
OW-B	11.00 ft	
PZ-7D	10.56 ft	Product at 11.70
PW-8	7.30 ft	
PZ-8A	7.97 ft	
PZ-8B	7.92 ft	
PZ-8C	7.58 ft	
PZ-8D	7.84 ft	

OTHER WELLS

EE-1	Sealed ft	MPI-1S	10.41 ft	MPI-7IR	10.86 ft	ESI-3	10.85 ft
EE-2	12.20 ft	MPI-2SR	11.03 ft	MPI-8SR	9.84 ft	ESI-6	10.46 ft
EE-3	10.88 ft	MPI-3S	10.37 ft	MPI-9SR	9.38 ft	ESI-2R	12.89 ft
EE-4	12.23 ft	MPI-4S	9.76 ft	MPI-13BR	9.19 ft	ESI-5R	8.14 ft
MW-8	11.07 ft	MPI-4I	11.03 ft	MPI-14BR	10.12 ft		
MW-11	9.64 ft	MPI-5S	11.71 ft	MPI-15B	9.84 ft		

COMMENTS:	PZ-4B needs new inner ring
	MPI-9BR - lock should be cut so riser seats propertly

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: Apr 13-14, 2016 **Measurements taken by:** R. Allen

RW-1	10.70 ft	
PZ-1A	10.63 ft	
PZ-1B	10.47 ft	
PZ-1C	11.58 ft	
PZ-1D	11.74 ft	
PW-2	10.20 ft	
PZ-2A	10.21 ft	
PZ-2B	10.77 ft	
PZ-2C	10.04 ft	
MW-7	10.62 ft	Substitute for 2D
PW-3	10.80 ft	
PZ-3A	10.70 ft	
PZ-3B	10.79 ft	
PZ-3C	11.34 ft	
PZ-3D	10.03 ft	
PW-4	10.20 ft	
PZ-4A	10.73 ft	
PZ-4B	10.12 ft	
PZ-4C	----- ft	Sealed Over
PZ-4D	9.78 ft	Trimmed Riser

PW-5	9.70 ft	
PZ-5A	9.85 ft	
PZ-5B	10.12 ft	
PZ-5C	9.72 ft	
PZ-5D	10.50 ft	
PW-6	10.90 ft	
PZ-6A	11.04 ft	
PZ-6B	10.88 ft	
PZ-6C	11.14 ft	
PZ-6D	10.89 ft	Shown as RW-2 on Map
PW-7	10.40 ft	
MPI-6S	10.58 ft	
PZ-7B	10.70 ft	Trimmed Riser
OW-B	10.64 ft	
PZ-7D	7.52 ft	
PW-8	6.80 ft	
PZ-8A	7.55 ft	
PZ-8B	7.51 ft	
PZ-8C	7.40 ft	
PZ-8D	7.27 ft	Trimmed Riser

OTHER WELLS

EE-1	Paved over ft	MPI-1S	10.05 ft	MPI-7IR	10.45 ft	ESI-3	10.48 ft
EE-2	10.65 ft	MPI-2SR	10.67 ft	MPI-8SR	9.47 ft	ESI-6	10.14 ft
EE-3	10.51 ft	MPI-3S	9.99 ft	MPI-9SR	8.15 ft	ESI-2R	12.47 ft
EE-4	11.80 ft	MPI-4S	8.13 ft	MPI-13BR	8.72 ft	ESI-5R	7.81 ft
MW-8	10..67 ft	MPI-4I	10.57 ft	MPI-14BR	9.89 ft		
MW-11	9.23 ft	MPI-5S	11.31 ft	MPI-15B	9.37 ft		

COMMENTS:	MPI-6S - needs bolt MPI-1S - needs concrete chipped around riser
	PW-8 - needs soil added where excavation settled

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 11-Mar-16 **Measurements taken by:** R. Allen

RW-1	10.40 ft	
PZ-1A	10.46 ft	
PZ-1B	10.18 ft	
PZ-1C	11.36 ft	
PZ-1D	11.48 ft	
PW-2	9.90 ft	
PZ-2A	9.95 ft	
PZ-2B	10.29 ft	
PZ-2C	9.77 ft	
MW-7	10.30 ft	Substitute for 2D
PW-3	10.50 ft	
PZ-3A	10.45 ft	
PZ-3B	10.48 ft	
PZ-3C	11.01 ft	
PZ-3D	10.50 ft	
PW-4	9.80 ft	
PZ-4A	10.31 ft	
PZ-4B	9.76 ft	
PZ-4C	------ ft	Sealed Over
PZ-4D	9.39 ft	

PW-5	9.30 ft	
PZ-5A	9.63 ft	
PZ-5B	9.73 ft	
PZ-5C	9.32 ft	
PZ-5D	10.09 ft	
PW-6	10.50 ft	
PZ-6A	10.66 ft	
PZ-6B	10.51 ft	
PZ-6C	10.78 ft	
PZ-6D	10.52 ft	Shown as RW-2 on Map
PW-7	9.60 ft	
MPI-6S	10.19 ft	
PZ-7B	10.31 ft	
OW-B	10.24 ft	
PZ-7D	+- 10 ft	Product in Well
PW-8	6.30 ft	
PZ-8A	7.18 ft	
PZ-8B	7.11 ft	
PZ-8C	6.78 ft	
PZ-8D	7.20 ft	

OTHER WELLS

EE-1	? ft	MPI-1S	9.68 ft	MPI-7IR	10.17 ft	ESI-3	10.20 ft
EE-2	10.90 ft	MPI-2SR	10.38 ft	MPI-8SR	9.07 ft	ESI-6	9.81 ft
EE-3	10.34 ft	MPI-3S	9.67 ft	MPI-9SR	8.52 ft	ESI-2R	12.19 ft
EE-4	11.49 ft	MPI-4S	6.89 ft	MPI-13BR	Auto over ft	ESI-5R	7.65 ft
MW-8	10.31 ft	MPI-4I	10.30 ft	MPI-14BR	9.25 ft		
MW-11	8.91 ft	MPI-5S	10.95 ft	MPI-15B	9.04 ft		

COMMENTS:	ESI-2R, EE-4: riser caps must be lowered some.
	MPI-5S: riser cap must be ground down. MPI-4S, MPI-4I: ground has heaved over risers.

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 23-Feb-16 **Measurements taken by:** R. Allen

RW-1	10.80 ft	
PZ-1A	10.82 ft	
PZ-1B	10.57 ft	
PZ-1C	------ ft	Auto parked over
PZ-1D	11.85 ft	
PW-2	10.40 ft	
PZ-2A	10.34 ft	
PZ-2B	10.68 ft	
PZ-2C	10.20 ft	
MW-7	------ ft	Substitute for 2D; Auto Parked Over
PW-3	10.90 ft	
PZ-3A	10.84 ft	
PZ-3B	10.91 ft	
PZ-3C	------ ft	Under Snowpile
PZ-3D	------ ft	Under Snowpile
PW-4	10.40 ft	
PZ-4A	11.00 ft	
PZ-4B	10.16 ft	Damaged
PZ-4C	------ ft	Sealed Over
PZ-4D	9.84 ft	

PW-5	9.70 ft	
PZ-5A	10.10 ft	
PZ-5B	10.14 ft	
PZ-5C	9.75 ft	
PZ-5D	10.42 ft	
PW-6	11.20 ft	
PZ-6A	11.07 ft	
PZ-6B	10.93 ft	
PZ-6C	11.22 ft	
PZ-6D	10.98 ft	Shown as RW-2 on Map
PW-7	10.50 ft	
MPI-6S	------ ft	Under Snowpile
PZ-7B	10.75 ft	
OW-B	10.65 ft	
PZ-7D	------ ft	Under Snowpile
PW-8	11.10 ft	
PZ-8A	7.62 ft	
PZ-8B	7.55 ft	
PZ-8C	7.21 ft	
PZ-8D	7.56 ft	

OTHER WELLS

EE-1	ft	MPI-1S	ft	MPI-7IR	ft	ESI-3	10.58 ft
EE-2	11.59 ft	MPI-2SR	ft	MPI-8SR	ft	ESI-6	ft
EE-3	ft	MPI-3S	ft	MPI-9BR	ft	ESI-2R	ft
EE-4	ft	MPI-4S	8.56 ft	MPI-13BR	ft	ESI-5R	ft
MW-7	ft	MPI-4I	10.69 ft	MPI-14BR	ft		
MW-8	10.73 ft	MPI-5S	11.37 ft	MPI-15B	ft		
MW-11	9.29 ft	MPI-6S	ft				

COMMENTS:

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 8-Feb-16 **Measurements taken by:** R. Allen

RW-1	10.80 ft	Comments:		PW-5	9.80 ft	Comments:	
PZ-1A	10.83 ft	Comments:		PZ-5A	10.43 ft	Comments:	
PZ-1B	10.60 ft	Comments:		PZ-5B	10.21 ft	Comments:	
PZ-1C	11.75 ft	Comments:		PZ-5C	9.82 ft	Comments:	
PZ-1D	11.89 ft	Comments:		PZ-5D	10.62 ft	Comments:	
PW-2	10.40 ft	Comments:		PW-6	11.20 ft	Comments:	
PZ-2A	10.38 ft	Comments:		PZ-6A	11.18 ft	Comments:	
PZ-2B	10.73 ft	Comments:		PZ-6B	11.02 ft	Comments:	
PZ-2C	10.22 ft	Comments:		PZ-6C	11.30 ft	Comments:	
MW-7	10.74 ft	Comments:	Substitute for 2D	PZ-6D	11.05 ft	Comments:	Shown as RW-2 on map
PW-3	------ ft	Comments:		PW-7	------ ft	Comments:	Injection Operation
PZ-3A	10.88 ft	Comments:		MPI-6S	------ ft	Comments:	Injection Operation
PZ-3B	10.96 ft	Comments:		PZ-7B	10.84 ft	Comments:	
PZ-3C	11.43 ft	Comments:		OW-B	10.74 ft	Comments:	
PZ-3D	10.97 ft	Comments:		PZ-7D	------ ft	Comments:	Injection Operation
PW-4	10.40 ft	Comments:		PW-8	7.00 ft	Comments:	
PZ-4A	10.82 ft	Comments:		PZ-8A	7.70 ft	Comments:	
PZ-4B	10.23 ft	Comments:	Damaged	PZ-8B	7.64 ft	Comments:	
PZ-4C	------ ft	Comments:	sealed over	PZ-8C	7.38 ft	Comments:	
PZ-4D	9.87 ft	Comments:		PZ-8D	7.59 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?		Yes	√	PW-5 pump on?		Yes	√
PW-2 pump on?		Yes	√	PW-6 pump on?		Yes	√
PW-3 pump on?		Yes	√	PW-7 pump on?		Yes	
PW-4 pump on?		Yes	√	PW-8 pump on?		Yes	√

No

MR. C's DRY CLEANERS SITE
NYSDEC Site #9-15-157

OM&M: PIEZOMETER WATER LEVEL LOG

Date: 2-Feb-16 **Measurements taken by:** R. Allen

RW-1	17.50 ft	Comments:		PW-5	16.10 ft	Comments:	
PZ-1A	------ ft	Comments:	Auto parked over	PZ-5A	10.53 ft	Comments:	
PZ-1B	10.79 ft	Comments:		PZ-5B	10.61 ft	Comments:	
PZ-1C	12.15 ft	Comments:		PZ-5C	10.20 ft	Comments:	
PZ-1D	12.32 ft	Comments:		PZ-5D	11.00 ft	Comments:	
PW-2	14.50 ft	Comments:		PW-6	15.80 ft	Comments:	
PZ-2A	10.83 ft	Comments:		PZ-6A	11.54 ft	Comments:	
PZ-2B	11.14 ft	Comments:		PZ-6B	11.41 ft	Comments:	
PZ-2C	10.61 ft	Comments:		PZ-6C	11.64 ft	Comments:	
MW-7	11.16 ft	Comments:	Substitute for 2D	PZ-6D	11.38 ft	Comments:	Shown as RW-2 on map
PW-3	------ ft	Comments:	Auto parked over	PW-7	------ ft	Comments:	injection operation
PZ-3A	11.29 ft	Comments:		MPI-6S	------ ft	Comments:	injection operation
PZ-3B	11.37 ft	Comments:		PZ-7B	11.17 ft	Comments:	
PZ-3C	11.91 ft	Comments:		OW-B	11.08 ft	Comments:	
PZ-3D	11.38 ft	Comments:		PZ-7D	------ ft	Comments:	injection operation
PW-4	19.20 ft	Comments:		PW-8	19.80 ft	Comments:	
PZ-4A	10.97 ft	Comments:		PZ-8A	8.11 ft	Comments:	
PZ-4B	10.66 ft	Comments:		PZ-8B	8.03 ft	Comments:	
PZ-4C	------ ft	Comments:	sealed over	PZ-8C	7.69 ft	Comments:	
PZ-4D	10.28 ft	Comments:		PZ-8D	7.92 ft	Comments:	

PUMPS IN OPERATION DURING MEASUREMENTS

RW-1 pump on?	Yes	No	PW-5 pump on?	Yes	No
PW-2 pump on?	Yes	No	PW-6 pump on?	Yes	No
PW-3 pump on?	Yes	No	PW-7 pump on?	Yes	No
PW-4 pump on?	Yes	No	PW-8 pump on?	Yes	No

ATTACHMENT C
DATA USABILITY SUMMARY REPORTS

Data Usability Summary Report	Project: Mr. C's Dry Cleaners Site Annual Groundwater Sampling
Date Completed: May 17, 2016	Completed by: Joanna Christopher

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs

Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory
10C3074.0011.04	R0366	Eurofins: Spectrum Analytical

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
R0366	WG	EE-2-APR16	R0366-17	4/27/2016 11:57			
R0366	WG	EE-3-APR16	R0366-27	4/29/2016 10:17			
R0366	WG	ESI-2R-MAY16	R0366-36	5/2/2016 15:40			ESI-2-R-MAY16
R0366	WG	ESI-3-APR16	R0366-14	4/26/2016 13:27			
R0366	WG	ESI-5R-APR16	R0366-16	4/27/2016 10:12			ESI-5-R-APR16
R0366	WG	ESI-6-APR16	R0366-31	4/29/2016 14:52			
R0366	WG	MPI-13BR-MAY16	R0366-32	5/2/2016 10:57			MPI-13B-R-MAY16
R0366	WG	MPI-14BR-MAY16	R0366-33	5/2/2016 12:37			MPI-14B-R-MAY16
R0366	WG	MPI-15B-MAY16	R0366-34	5/2/2016 14:37			
R0366	WG	MPI-1S-APR16	R0366-29	4/29/2016 12:00			
R0366	WG	MPI-2SR-APR16	R0366-30	4/29/2016 13:17			MPI-2S-R-APR16
R0366	WG	MPI-3S-APR16	R0366-28	4/29/2016 11:07			
R0366	WG	MPI-4I-APR16	R0366-21	4/28/2016 11:12			
R0366	WG	MPI-4S-APR16	R0366-22	4/28/2016 11:22			
R0366	WG	MPI-4S-APR16-Q	R0366-23	4/28/2016 11:22			
R0366	WG	MPI-5S-APR16	R0366-03	4/25/2016 14:35			
R0366	WG	MPI-6S-APR16	R0366-20	4/28/2016 10:00			
R0366	WG	MPI-7IR-APR16	R0366-04	4/25/2016 15:58			MPI-7I-R-APR16
R0366	WG	MPI-8SR-APR16	R0366-25	4/28/2016 13:59		MS/MSD	MPI-8S-R-APR16
R0366	WG	MPI-9SR-APR16	R0366-26	4/28/2016 15:10			MPI-9S-R-APR16
R0366	WG	MW-11-APR16	R0366-15	4/26/2016 14:40		MS/MSD	
R0366	WG	MW-7-APR16	R0366-08	4/26/2016 10:25			
R0366	WG	MW-8-APR16	R0366-02	4/25/2016 12:53			
R0366	WG	PW-2-APR16	R0366-05	4/26/2016 9:57			
R0366	WG	PW-3-APR16	R0366-06	4/26/2016 10:05			
R0366	WG	PW-4-APR16	R0366-09	4/26/2016 10:22			
R0366	WG	PW-5-APR16	R0366-07	4/26/2016 10:14			

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Work Order	Matrix	Sample ID	Lab ID	Sample Date	Lab QC	MS/ MSD	ID Corrections
R0366	WG	PW-6-APR16	R0366-11	4/26/2016 10:41			
R0366	WG	PW-8-APR16	R0366-10	4/26/2016 10:34			
R0366	WG	PZ-3B-APR16	R0366-12	4/26/2016 11:25			
R0366	WG	PZ-3B-APR16-Q	R0366-13	4/26/2016 11:25			
R0366	WG	PZ-5A-APR16	R0366-24	4/28/2016 13:00			
R0366	WQ	PZ-6A-APR16	R0366-18	4/27/2016 14:10			
R0366	WQ	PZ-8C-APR16	R0366-19	4/27/2016 15:12			
R0366	WG	TB-20160425	R0366-01	4/25/2016 10:15			
R0366	WG	TB-20160502	R0366-35	5/2/2016 13:50			

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
R0366	WG	SW8260C	Volatile Organics	34	N/FD
R0366	WQ	SW8260C	Volatile Organics	2	TB

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes. Several name corrections were made as noted in the ID Corrections column of Table 1 due to incorrect well names used on COC and to maintain consistent nomenclature across sampling events.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	No. The coolers associated with SDG R0366 were received at 6.2 and 6.5 °C. The laboratory notified the project manager, and were instructed to proceed with the analyses. There is no impact to data usability based on professional judgment.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs waters only Equipment Blank - 1/ set of samples per day?	No. 2 field duplicates per 32 samples 2 MS/MSDs per 32 samples 1 trip blank/cooler Equipment rinsate blanks were not collected.
Case narrative present and complete?	Yes.
Any holding time violations (See table below)?	Yes. Sample MW-7-APR16 was analyzed 1 day outside holding time due to a laboratory error. Detected compounds were qualified with J as estimated. Non-detected compounds were qualified with UR as rejected nondetect.

Work Order	Method	Sample ID	Sample Date	Matrix	Sample Type	Anal HT	Analysis Date	Sample Qual
R0366	SW8260C	MW-7-APR16	4/26/16 10:25	WG	N	14 days	5/11/16 15:12	J/UR

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The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Method Blanks Results (Table 2)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4)
- LCS Outside Limits (Table 5)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	No.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data. Qualification also applies to TICs.	No qualification required.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). If not, were all samples reanalyzed for VOCs?	No. Recovery for dibromofluoromethane was above laboratory QC limits for sample PW-2-APR16 (for analyses where DF=1 only). Detected compounds were qualified with J as estimated and nondetects were reported without qualification.
Is Laboratory QC frequency at least one blank and LCS with each batch and one set of MS/MSD per 20 samples?	Yes.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then "J" flag positive data in original sample due to matrix.	No. Tetrachloroethene recovery was below QC limits; however, the sample concentration was more than 4 times the spike concentration; therefore, the results were reported without qualification.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	Yes.
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Yes.
Is initial calibration for target compounds <20% RSD or curve fit?	Yes.
Is continuing calibration for target compounds < 20.5% D.	Yes.

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Volatile Organics by GC/MS	
Description	**Notes and Qualifiers**
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	Yes. See Table 6 Several samples were analyzed at dilutions to bring target analytes within the calibration curve. Generally only the exceeding analyte was reported from the dilution; however, the following samples were reported with elevated reporting limits: EE-2-APR16, ESI-6-APR16, MPI-4I-APR16, MW-11-APR16, MW-7-APR16, PW-2-APR16, PW-5-APR16, PZ-5A-APR16, and PZ-6A-APR16.
For TICs are there any system related compounds that should not be reported?	N/A
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Summary of Potential Impacts on Data Usability
• Sample MW-7-APR16 was analyzed outside holding time resulting in detected compounds qualified with J as estimated and non-detected compounds qualified with UR as rejected nondetect. • Surrogate recovery was above laboratory QC limits for sample PW-2-APR16 resulting in detected compounds qualified with J as estimated. • The following samples were diluted and reported with elevated reporting limits for all analytes: EE-2-APR16, ESI-6-APR16, MW-7-APR16, PW-5-APR16, PZ-5A-APR16, and PZ-6A-APR16. There are instances where the elevated reporting limit exceeds the screening level; therefore, analyte concentrations may exceed the screening limit. • Rinsate blanks were not collected from non-dedicated equipment.

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Table 2 - List of Positive Results for Blank Samples
None

Table 2A - List of Samples Qualified for Method Blank Contamination
None

Table 2B - List of Samples Qualified for Field Blank Contamination
None

Table 3 - List of Samples with Surrogates outside Control Limits

Method	Sample ID	Sample Type	Analyte	Rec. %	Low Limit	High Limit	Dilution Factor	Sample Qualifier
SW8260C	PW-2-APR16	SAMP	Dibromofluoromethane	117	85	115	1	J/None

Table 4 – List of MS/MSD Recoveries and RPDs outside Control Limits

Method	Sample ID	Sample Type	Analyte	Orig. Result	Spike Amount	Rec.	Dil. Fac.	Low Limit	High Limit	Sample Qualifier
SW8260C	R0366-15MS	MS	Tetrachloroethylene (PCE)	1500	50.000	-184	1	45	150	None – 4X
SW8260C	R0366-15MSD	MSD	Tetrachloroethylene (PCE)	1500	50.000	-213	1	45	150	None – 4X

Table 5 - List of LCS Recoveries outside Control Limits
None.

Table 6 –Samples that were Re-analyzed

Sample ID	Lab ID	Method	Sample Type	Action
EE-2-APR16	R0366-17	SW8260	GW	4X– Sample diluted to bring target analytes within the calibration curve. Elevated reporting limits provided.
ESI-6-APR16	R0366-31	SW8260	GW	2.5X– Sample diluted to bring target analytes within the calibration curve. Elevated reporting limits provided.
MPI-4I-APR16	R0366-21DL	SW8260	GW	4X– Sample diluted to bring Cis-1,2-Dichloroethylene and Tert-Butyl Methyl Ether within the calibration curve. Only the exceeding analytes were reported at the dilution.
MW-11-APR16	R0366-15DL	SW8260	GW	10X– Sample diluted to bring PCE within the calibration curve. Only the exceeding analyte was reported at the dilution.

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Sample ID	Lab ID	Method	Sample Type	Action
MW-7-APR16	R0366-08	SW8260	GW	10X– Sample diluted to bring target analytes within the calibration curve. Elevated reporting limits provided.
PW-2-APR16	R0366-05DL	SW8260	GW	2X– Sample diluted to bring PCE within the calibration curve. Only the exceeding analyte was reported at the dilution.
PW-5-APR16	R0366-07	SW8260	GW	5X– Sample diluted to bring target analytes within the calibration curve. Elevated reporting limits provided.
PZ-5A-APR16	R0366-24	SW8260	GW	40X– Sample diluted to bring target analytes within the calibration curve. Elevated reporting limits provided.
PZ-6A-APR16	R0366-18	SW8260	GW	10X– Sample diluted to bring target analytes within the calibration curve. Elevated reporting limits provided.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	Anal Type	MPI-4S-APR16	MPI-4S-APR16-Q	RPD	RPD Rating	Sample Qual
SW8260	Cis-1,2-Dichloroethylene	ug/l	WG	5.0	TRG	11	11	0.0%	Good	None
SW8260	Tetrachloroethylene (PCE)	ug/l	WG	5.0	TRG	4.9	4.2	15.4%	Good	None
SW8260	Vinyl Chloride	ug/l	WG	5.0	TRG	1.7	1.5	12.5%	Good	None

Method	Analyte	Unit	Matrix	PQL	Anal Type	MPI-4S-APR16	MPI-4S-APR16-Q	RPD	RPD Rating	Sample Qual
SW8260	Cis-1,2-Dichloroethylene	ug/l	WG	5.0	TRG	0.87	ND	NC	--	None <PQL
SW8260	Tetrachloroethylene (PCE)	ug/l	WG	5.0	TRG	140	130	7.4%	Good	None
SW8260	Trichloroethylene (TCE)	ug/l	WG	5.0	TRG	6.3	5.4	15.4%	Good	None

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Acronym List and Table Key:

Cis-1,2-DCE	=	Cis-1,2-dichloroethene
CCV	=	continuing calibration verification
COC	=	chain of custody
DUSR	=	data usability summary report
GC/MS	=	gas chromatography / mass spectrometry
LCS	=	laboratory control sample
MBLK	=	method blank
MS	=	matrix spike
MSD	=	matrix spike duplicate
NYSDEC	=	New York State Department of Environmental Conservation
PCE	=	tetrachloroethene
PQL	=	practical quantitation limit
QA	=	quality assurance
QAPP	=	quality assurance project plan
QC	=	quality control
RPD	=	relative percent difference
SDG	=	sample delivery group
TCE	=	trichloroethene
TIC	=	tentatively identified compound
VOC	=	volatile organic compound