



Stantec Consulting Services Inc.
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November 9, 2018
File: 1905000965

Mr. Todd Caffoe, Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation
6274 East Avon-Lima Road
Avon, NY 14414

**Reference: Monthly Progress Report #4
Brownfield Cleanup Program Site # C828206
67 & 89 Canal Street
Rochester, Monroe County, New York**

Dear Todd:

On behalf of East House Canal Street LLC, Stantec Consulting Services Inc. (Stantec) has prepared this Monthly Progress Report #4 for the Brownfield Cleanup Program Site located at 67 & 89 Canal Street, Monroe County, New York (Site). This report covers the period from October 10 through November 9, 2018.

1. Actions Conducted During the Previous Reporting Period

- Groundwater monitoring wells were surveyed for horizontal and vertical control on October 11, 2018.
- On October 23, 2018 an electrical contractor, Radec, was able to open the previously locked room on the first floor of the main building that is labeled "High Voltage." The room contains three transformers which appear to be owned by Rochester Gas and Electric (RG&E). Due to unknown electrical conditions, personnel did not enter the room; however, the floor of the room is concrete, and no obvious evidence of leaks was observed by Radec. Buckingham Properties is working to determine the ownership of these transformers.
- Groundwater gauging and sample analytical data were received, tabulated, and evaluated for the first RI groundwater event.
- Work on the proposed remedial approach continued to progress following receipt of groundwater sampling results.

2. Data Received or Generated in the Previous Reporting Period

- Groundwater elevations were calculated from water level gauging data collected on October 1, 2018. A total of nine wells were gauged, including one offsite well (MW-9). Monitoring well B/MW-111 continued to be dry. Based on data obtained thus far, the inferred direction of groundwater flow is generally to the east with a southern directional component beneath the southern and western portions of the Manufacturing Building. There appears to be a slightly steeper gradient and

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northerly component of flow beneath the eastern side of the Manufacturing Building towards Canal Street.

- Analytical laboratory data for the first round of groundwater sampling, which was conducted October 1-2, 2018, were received on October 19, 2018 from TestAmerica. The preliminary groundwater data are tabulated on the attached Table 1. These data have not yet undergone data usability review. The following is a summary of notable items identified during preliminary review of the first-round groundwater dataset:

Petroleum-Related VOCs

- Several petroleum-related compounds were reported in the northeast quadrant of the Site at concentrations exceeding standards and guidance values (SGVs) including B/MW-104, B/MW-106, and MW-9. Based on the location of the wells and the inferred direction of groundwater flow, the other petroleum impacts to groundwater are likely associated with the release(s) previously identified near the former UST area and loading dock. Note that monitoring well B/MW-104 exhibited only a trace SGV exceedance for one compound, 1,3,5-trimethylbenzene (5.8 ug/l vs. the SGV of 5 ug/l), which was three orders-of-magnitude lower than the total petroleum-related VOC concentrations reported in the other two impacted wells in the northeast quadrant of the site. This suggests that the released material may have migrated along the exterior of the building footer to reach MW-9.
- Additionally, a trace concentration of benzene was reported in B/MW-110 (1.2 micrograms per liter [$\mu\text{g/L}$]) which slightly exceeded the SGV of 1 $\mu\text{g/L}$. Monitoring well B/MW-110 is located in the southwestern corner of the Site and is not expected to be related to the other on-Site petroleum groundwater impacts; rather, it is more likely resulting from another source.

Chlorinated VOCs

- Trichloroethene (TCE) and tetrachloroethene (PCE) were reported at concentrations that exceed the SGV (12 $\mu\text{g/L}$ and 14 $\mu\text{g/L}$, respectively vs. 5 $\mu\text{g/L}$) at B/MW-100, which is located within the courtyard to the east of the loading docks addition.
- TCE in the groundwater sample collected at B/MW-107, located in the garage/shop area on the western side of the Site, also exceeded the SGV (8.7 $\mu\text{g/L}$ vs. 5 $\mu\text{g/L}$). The concentration of PCE reported in MW-02 (5.2 $\mu\text{g/L}$) slightly exceeded the SGV of 5 $\mu\text{g/L}$. MW-02 is located near the western Site boundary and previously exhibited higher levels of TCE (23 $\mu\text{g/L}$ in June 2014 based on sampling performed by others). Exceedances of cis-1,2-dichloroethene (cis-1,2-DCE) and TCE were also reported for the groundwater sample collected by others from MW-02 in June 2014. Both cis-1,2-DCE and TCE were not detected above reporting limits during the October 2018 groundwater sampling in MW-02.

3. Deliverables Completed and Submitted during the Previous Reporting Period

- Monthly Progress Report #3 was submitted on October 10, 2018.



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- A detail for the planned permeable artificial play surface was submitted on October 12, 2018 to NYSDEC and NYSDOH for review and input relative to potential incorporation into the site's cover system. NYSDEC and NYSDOH responded via email on October 18, 2016 that this would be acceptable as part of the cover system.
- Preliminary groundwater analytical results and a groundwater contour map from the first round of groundwater gauging/sampling were submitted to the Department on November 2, 2018.

4. Actions Scheduled for the Next Reporting Period

- Work on the anticipated remedial approach will continue.

5. Completion, Delays, and Future Schedule

The remaining RI field activities, as outlined in the RIWP addendum, are anticipated to be resumed beginning in January 2019. The other RI-related activities identified in the RIWP estimated schedule are currently expected to proceed on schedule.

Closing

Should you have any questions or require further information, please contact us.

Sincerely,

STANTEC CONSULTING SERVICES INC.



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List of Attachments:

- Table 1 – Summary of Analytical Results in Groundwater



Table 1
Summary of Analytical Results in Groundwater
Brownfield Cleanup Program
67 and 89 Canal Street, Rochester, New York

Sample Location	Sample Date	Sample ID	Sampling Company	Laboratory	Laboratory Work Order	Laboratory Sample ID	Sample Type	Units	TOGS	GP-06/MW-01	GP-11/MW-02	MW-02	B/MW-100	B/MW-102	B/MW-104	B-106	B-107	B/MW-110	24-Sep-08	11-Jun-14	MW-09	2-Oct-18	2-Oct-18	RINSE BLANK		TRIP BLANK					
										11-Jun-14 MW-01 LABELLA ASSOCIATES, D.P.C ESC L704675 L704675-06	11-Jun-14 MW-02 LABELLA ASSOCIATES, D.P.C ESC L704675 L704675-07	2-Oct-18 CNL-MW02-GW	1-Oct-18 CNL-MW100-GW	1-Oct-18 CNL-MW102-GW	2-Oct-18 CNL-MW104-GW	2-Oct-18 CNL-MW106-GW	1-Oct-18 CNL-MW107-GW	2-Oct-18 CNL-MW110-GW	24-Sep-08 MW-9 Haley & Aldrich of NY	11-Jun-14 MW-09 LABELLA ASSOCIATES, D.P.C ESC L704675 L704675-08	2-Oct-18 CNL-MW9-GW	2-Oct-18 CNL-FD-GW	4-Sep-18 CNL-RB20180904-W	28-Aug-18 CNL-RB20180828-W	1-Oct-18 TRIP BLANK 1	2-Oct-18 TRIP BLANK					
Volatile Organic Compounds																															
Acetone	µg/L	50 ^A	5,000 U	50 U	20 U	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	24	810 ^A	200 U	200 U	10 U	10 U	10 U	10 U	10 U	10 U			
Benzene	µg/L	1 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	680 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2 ^B	1,400 ^B	660 ^B	880 ^B	990 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Bromodichloromethane	µg/L	50 ^A	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Bromoform (Tribromomethane)	µg/L	50 ^A	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Bromomethane (Methyl bromide)	µg/L	5 ^{-B}	500 U	5.0 U	2.0 U	2.0 U	1.0 U F2	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	10 U	5.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Butylbenzene, n-	µg/L	5 ^{-B}	110 ^B	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	9.0 ^B	55 ^B	55 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Butylbenzene, sec- (2-Phenylbutane)	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	4.9	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Butylbenzene, tert-	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Carbon Disulfide	µg/L	60 ^A	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Carbon Tetrachloride (Tetrachloromethane)	µg/L	5 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Chlorobenzene (Monochlorobenzene)	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Chlorobromomethane	µg/L	5 ^{-B}	100 U	1.0 U	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Chloroethane (Ethyl Chloride)	µg/L	5 ^{-B}	500 U	5.0 U	2.0 U	2.0 U	1.0 U F2	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Chloroform (Trichloromethane)	µg/L	7 ^B	500 U	5.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Chloromethane	µg/L	5 ^{-B}	250 U	2.5 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	36 ^B	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Cyclohexane	µg/L	n/v	160	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	11	200	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	210	100	250	300	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dibromo-3-Chloropropane, 1,2- (DBCP)	µg/L	0.04 ^B	500 U	5.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dibromochloromethane	µg/L	50 ^A	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichlorobenzene, 1,2-	µg/L	3 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichlorobenzene, 1,3-	µg/L	3 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichlorobenzene, 1,4-	µg/L	3 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichlorodifluoromethane (Freon 12)	µg/L	5 ^{-B}	500 U	5.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloroethane, 1,1-	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	3.8	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloroethane, 1,2-	µg/L	0.6 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	2.9 J ^B	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U			
Dichloroethene, 1,1-	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloroethene, cis-1,2-	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloroethene, trans-1,2-	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloropropane, 1,2-	µg/L	1 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloropropene, cis-1,3-	µg/L	0.4 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Dichloropropene, trans-1,3-	µg/L	0.4 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Ethylbenzene	µg/L	5 ^{-B}	390 ^B	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	920 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	260 ^B	730 ^B	900 ^B	970 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Ethylene Dibromide (Dibromoethane, 1,2-)	µg/L	0.0006 ^B	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Hexanone, 2- (Methyl Butyl Ketone)	µg/L	50 ^A	1,000 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	100 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U				
Isopropylbenzene	µg/L	5 ^{-B}	190 ^B	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	34 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	23 ^B	41 ^B	72 ^B	76 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Isopropyltoluene, p- (Cymene)	µg/L	5 ^{-B}	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	12 ^B	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Methyl Acetate	µg/L	n/v	2,000 U	20 U	5.0 U	5.0 U	2.5 U	2.5 U	2.5 U	25 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	10 U	20 U	50 U	50 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U				
Methyl Ethyl Ketone (MEK) (2-Butanone)	µg/L	50 ^A	1,000 U	10 U	20 U	20 U	10 U	10 U	10 U	100 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	12	10 U	200 U	200 U	10 U	10 U	10 U	10 U	10 U				
Methyl Isobutyl Ketone (MIBK)	µg/L	n/v	1,000 U	10 U	10 U	10 U	5.0 U	5.0 U	5.0 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	10 U	10 U	100 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U				
Methyl tert-butyl ether (MTBE)	µg/L	10 ^A	100 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	53 ^A	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	130 J ^A	29 ^A	62 ^A	20 U	1.0 U	1.0 U	1.0 U	1.0 U					
Methylcyclohexane	µg/L	n/v	420	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	9.6	79	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	130	62	180	210	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Methylene Chloride (Dichloromethane)	µg/L	5 ^{-B}	500 U	5.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	5.0 U	20 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U				
Naphthalene	µg/L	10 ^B	1,000 ^B	5.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	310 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	210 ^B	310 ^B	330 ^B	-	-	-	-	-				
Propylbenzene, n-	µg/L	5 ^{-B}	580 ^B	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	49 ^B	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	-	110 ^B	180 ^B	180 ^B	1.0								

Table 1
Summary of Analytical Results in Groundwater
Brownfield Cleanup Program
67 and 89 Canal Street, Rochester, New York

- Notes:**
- TOGS NYSDEC TOGS 1.1.1 (Reissued June 1998 with errata in January 1999 and addenda in April 2000 and June 2004)
 - ^A TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Guidance
 - ^B TOGS 1.1.1 - Table 1 - Ambient Water Quality Standards and Guidance Values, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1); Standards
 - 6.5^A** Concentration exceeds the indicated standard.
 - 15.2 Measured concentration did not exceed the indicated standard.
 - 0.50 U** Laboratory reporting limit was greater than the applicable standard.
 - 0.03 U Analyte was not detected at a concentration greater than the laboratory reporting limit.
 - n/v No standard/guideline value.
 - Parameter not analyzed / not available.
 - ^B The standard for Iron and Manganese is 500 ug/L, which applies to the sum of these substances. As individual standards, the standard is 300 ug/L.
 - .. The principal organic contaminant standard for groundwater of 5 ug/L (described elsewhere in the TOGS table) applies to this substance.
 - _b Standard applies to the sum of all polychlorinated biphenyls.
 - _p Applies to the sum of cis- and trans-1,3-dichloropropene.
 - * Indicates analysis is not within the quality control limits.
 - F1 MS and/or MSD Recovery is outside acceptance limits.
 - H Sample was prepped or analyzed beyond the specified holding time.
 - J The reported result is an estimated value.
 - ND Not detected.
 - TJ Result is a tentatively identified compound (TIC) and an estimated value.
 - TJN Result is a tentatively identified compound (TIC) and an estimated value. Presumptive evidence of material.
 - ESC ESC Lab Sciences
 - TALBU Test America, Buffalo, NY