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April 18, 2013

Ms. Sondra Martinkat
Environmental Engineer 2
New York State Department of Environmental Conservation (NYSDEC)
Division of Environmental Remediation, Region 2 Office
47-40 21st Street
Long Island City, New York 11101

Re: Semi-Annual Groundwater Monitoring
April 2013 (12th Event, 8th Semi-Annual Event)
Mott Haven Site
730 Concourse Village West
Bronx, New York 11375
SCA LLW# 033485/SCA Job #41747
BCP No. C203030

Dear Ms. Martinkat:

On behalf of the New York City School Construction Authority (NYCSCA), TRC Engineers,, Inc. (TRC) has prepared this semi-annual report regarding the post-remediation groundwater sampling at the Mott Haven Site. Groundwater monitoring results are being reported in accordance with the November, 2008 Mott Haven Site Management Plan (SMP), approved by the New York State Department of Environmental Conservation (NYSDEC, the Department) on November 25, 2008. The groundwater monitoring data will be submitted via email to the NYSDEC in Electronic Data Deliverable (EDD) format for input into the Department's database.

On March 28, 2013 water levels were measured in the seven existing on-site monitoring wells. The depth to water measurements and corresponding groundwater elevations are summarized in Table 1. Groundwater contours based on measured groundwater elevations data are shown in Figure 2. The contours on Figure 2 indicate that the direction of horizontal groundwater flow is generally toward the southeast, consistent with data obtained during the remedial investigation and previous groundwater monitoring events.

On March 28, 2013 groundwater samples were collected from the seven existing on-site monitoring wells MW-3R, MW-5R, MW-11R, MW-23, MW-24, MW-25 and MW-26R as shown on Figure 1. Sampling was performed in accordance with the Sampling Event Protocol presented in Section 3.3.4 of the SMP. Field sampling logs for the groundwater sampling are presented in Appendix A.

Groundwater samples were submitted to York Analytical Laboratories, Inc. (York) of Stratford, Connecticut, a New York State Environmental Laboratory Accreditation Program (ELAP) certified laboratory for analysis for Target Compound List (TCL) volatile organic compounds (VOCs) plus methyl tert-butyl ether (MTBE) per the U.S. Environmental Protection Agency (USEPA) Method 8260. Table 2

summarizes the groundwater analytical data. The laboratory analytical data report for the groundwater sample analysis is provided in Appendix B. Appendix C contains the laboratory certification forms.

No VOCs were detected in the trip blank sample, indicating that the samples were not exposed to any environment that might impact the sample integrity. The field duplicate sample was collected from MW-23. The primary sample was non-detect for all compounds analyzed, however the duplicate sample exhibited an estimated concentration of cis-1,2-dichloroethene of 1.3 micrograms per liter (µg/L), which is below the NYSDEC Class GA groundwater quality standard of 5.0 µg/L. The detection of cis-1,2-dichloroethene in the duplicate sample, while absent in the primary sample, does not affect data usability. All other laboratory QC criteria (e.g., surrogate and spike recoveries) were acceptable. These results generally indicate acceptable precision in the laboratory analysis.

Two VOCs were detected in the groundwater sample from monitoring well MW-24. Tetrachloroethene (PCE) was detected at a concentration of 19 µg/L, which exceeded the NYSDEC Class GA groundwater standard (principal organic contaminant standard) of 5.0 µg/L. Trichloroethene (TCE) was detected at an estimated concentration of 1.3 µg/L, which is below the Class GA groundwater quality standard. In previous sampling events, PCE concentrations in groundwater from MW-24 have ranged from between 14 and 51 µg/L. Monitoring well MW-24 is located on the upgradient side of the Site, and the PCE and TCE detected in the groundwater sample from MW-24 are likely from upgradient sources.

Of the three downgradient monitoring wells, only one VOC was detected in the sample from well MW-3R. Cis-1,2-dichloroethene was detected at an estimated concentration of 1.1 µg/L, which is below the Class GA groundwater quality standard.

No other VOCs were detected at concentrations exceeding the laboratory method detection limits or the reporting limits.

The remedial objective for groundwater in the NYSDEC approved Remedial Action Work Plan (RAWP) is to maintain existing groundwater quality at the downgradient property line. VOCs in downgradient monitoring wells MW-3R, MW-5R and MW-11R were non-detect or below Class GA groundwater quality standards. Accordingly, the remedial objectives for groundwater continue to be met per the RAWP.

Please do not hesitate to contact me at (212) 221-7822 x103 if you have any questions or require additional information regarding this project.

Sincerely,

TRC Engineers, Inc.

Charles Guder
Senior Project Manager

cc: C. Bethoney, New York State Department of Health (NYSDOH)
L. Guterman, NYCSCA

Attachments:

Table 1 – Groundwater Monitoring Well Elevation Data
Table 2 – Summary of VOCs Detected in Groundwater

Figure 1 – Monitoring Well Location Plan
Figure 2 – Groundwater Surface Elevation Contour Plan

Appendix A – Field Sampling Logs and Notes
Appendix B – Laboratory Analytical Data Summary Package
Appendix C – Laboratory Certification Forms

TABLES

Table 1
New York City School Construction Authority
Metro-North/Mott Haven Site
Bronx, New York
Groundwater Monitoring Well Elevation Data
March 2013 Sampling Event - Post Remediation

Monitoring Well Number	Date	MW Elevation: (BBPD)	DTW: (ft bgs)	DTP: (ft bgs)	DTB: (ft bgs)	Groundwater Elevation: (BBPD)
MW-3R	3/10/2012	17.11	3.25	---	15.2	13.86
MW-5R	3/10/2012	19.63	5.27	---	12.4	14.36
MW-8	3/10/2012	49.43	NA	---	40.1	NA
MW-9	3/10/2012	56.11	NA	---	42.0	NA
MW-11R	3/10/2012	19.17	7.42	---	18.3	11.75
MW-18	3/10/2012	48.11	NA	---	32.3	NA
MW-20	3/10/2012	40.82	NA	---	27.1	NA
MW-21	3/10/2012	40.37	NA	---	25.0	NA
MW-23	3/10/2012	23.03	8.24	---	14.8	14.79
MW-24	3/10/2012	24.32	7.12	---	13.4	17.20
MW-25	3/10/2012	22.99	6.03	---	9.1	16.96
MW-26R	3/10/2012	22.60	6.07	---	15.2	16.53

Notes:

MW Elevation: Top of PVC elevation in Bronx Borough President's datum (BBPD)
DTW: Depth to Water
DTP: Depth to Product
DTB: Depth to Bottom
BBPD: Bronx Borough President's Datum
NA: Not Available

Table 2
New York City School Construction Authority
Metro North/Mott Haven Site
Bronx, New York
Summary of Target Compound List VOCs Detected in Groundwater
March 2013 Sampling Event - Post Remediation

SAMPLE ID	SAMPLING DATE	cis-1,2-dichloroethene	Naphthalene	Benzene	m,p-xylene	1,2,4-trimethylbenzene	1,2,4-trichlorobenzene	Cyclohexane	Methylcyclohexane	Tetrachloroethene	Trichloroethene	Methyl tert-butyl Ether	Vinyl Chloride	Acetone	Toluene	Chloroform
NYS Class GA Standard[1]		5.0	10.0 GV	1.0	5.0	5.0	5.0	^	^	5.0	5.0	10.0	2.0	50	5.0	7.0
MW-3A	12/6/2007	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/24/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	6/5/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/30/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2010	**5.9**	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.2	1.6	**3.4**	5.0 U	1.0 U	1.0 U
MW-3R+	9/25/2010	2.3	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	0.53 J	1.0 U	1.0 U	0.94 J	5.0 U	1.0 U	1.0 U
	3/12/2011	1.0 J	NA	1.0 U	2.0 U	NA	1.1	1.0 U	1.0 U	2.3	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
	9/17/2011	1.6 J	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	3.2 J	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2012	2.1 J	NA	2.5 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	2.0 J	0.72 J	2.5 U	1.2 J	12.5 U	0.61 J	2.5 U
	3/28/2013	1.1 J	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
MW-5A	12/6/2007	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/24/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	6/5/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	5.0 U	NA	**3.3 J***	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/30/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
MW-5R+	9/25/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	3/12/2011	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	9/17/2011	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2012	2.5 U	NA	2.5 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12.5 U	0.83 J	2.5 U
	3/28/2013	5.0 U	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
MW-11A	12/6/2007	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/24/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	6/5/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/30/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
MW-11R+	9/25/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	3/12/2011	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	9/17/2011	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2012	2.5 U	NA	2.5 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12.5 U	0.51 J	2.5 U
	3/28/2013	5.0 U	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
MW-23	12/6/2007	4.3 J	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/24/2008	**5.6**	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	6/5/2008	**6.5**	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	**7.1**	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	**12**	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/30/2009	**13**	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**9.4**	25 U	5.0 U	5.0 U
	3/10/2010	2.6	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	**6.2**	1.0	1.0 U	1.0	5.0 U	1.0 U	1.0 U
	9/25/2010	**8.0**	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**16**	5.0 U	1.0 U	1.0 U
	3/12/2011	2.8	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**4.4**	5.0 U	1.0 U	1.0 U
	9/17/2011	3.1 J	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	**7.8**	25 U	5.0 U	5.0 U
	3/10/2012	1.6 J	NA	2.5 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	**2.3** J	12.5 U	2.5 U	2.5 U
	3/28/2013	5.0 U	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U

Notes:

General Comments

All results are in micrograms per liter (µg/L).

Only those parameters detected in at least one sample are reported on this table.

Bold face and shaded values indicate an exceedence of the Class GA Groundwater Standard or Guidance Value.

* - Benzene was not detected in the field duplicate sample which was collected from MW-5A (see Appendix B in the 4th Quarter Groundwater Monitoring Report, dated December 17, 2008).

** - MW-24 was not installed until March 2008 due to construction activities in the immediate area of the monitoring well location.

*** - MW-26 was installed and sampled during the first quarterly event and destroyed prior to the second quarterly event. MW-26R was installed prior to the third quarterly sampling event.

**** - MW-25 was covered over sometime after the 5th sampling event. MW-25R was installed on October 3, 2009. MW-25 was later uncovered and is currently in use.

+ - Original well was decommissioned due to site construction activities. Replacement well was installed in September 2010.

Standards

[1] = NYSDEC TOGS Series 1.1.1, Ambient Groundwater Quality Standards & Guidance Values & Groundwater Effluent Limitations, Revised June 1998, and updates.

^ = No standard or guidance value available.

GV = No standard available; value listed is a guidance value.

Laboratory Qualifiers - Organic

NS - Not sampled

NA - Not analyzed

U - Indicates the compound was analyzed for but was not detected.

J - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).

Table 2
New York City School Construction Authority
Metro North/Mott Haven Site
Bronx, New York
Summary of Target Compound List VOCs Detected in Groundwater
March 2013 Sampling Event - Post Remediation

SAMPLE ID	SAMPLING DATE	cis-1,2-dichloroethene	Naphthalene	Benzene	m,p-xylene	1,2,4-trimethylbenzene	1,2,4-trichlorobenzene	Cyclohexane	Methylcyclohexane	Tetrachloroethene	Trichloroethene	Methyl tert-butyl Ether	Vinyl Chloride	Acetone	Toluene	Chloroform
NYS Class GA Standard[1]		5.0	10.0 GV	1.0	5.0	5.0	5.0	^	^	5.0	5.0	10.0	2.0	50	5.0	7.0
MW-24**	12/6/2007	NS	NS	NS	NS	NS	NS	NS	NS	NS	5.0 U	NS	NS	NS	NS	NS
	3/24/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	**44**	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	6/5/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	**51**	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	**36**	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	**33**	5.0 U	4.4 J	5.0 U	25 U	5.0 U	5.0 U
	9/30/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	**50**	5.0 U	2.2 J	5.0 U	25 U	5.0 U	5.0 U
	3/10/2010	1.0 U	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	**43**	1.4	0.68 J	1.0 U	5.0 U	1.0 U	1.0 U
	9/25/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	3/12/2011	1.0 U	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	**26**	4.7	1.0 U	1.0 U	5.0 U	1.0 U	1.7
	9/17/2011	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	**16**	3.8 J	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2012	2.5 U	NA	2.5 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	**14**	3.4 J	2.5 U	2.5 U	12.5 U	0.69 J	1.2 J
	3/28/2013	5.0 U	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	**19**	1.3 J	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
MW-25	12/6/2007	5.0 U	**14.0**	**2.3 J**	2.2 J	1.1 J	5.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/24/2008	5.0 U	NA	**6.6**	4.3 J	NA	5.0 U	8.8	2.8 J	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	6/5/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	5.0 U	NA	**2.9 J**	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
MW-25R****	10/3/2009	5.0 U	NA	**5.2**	10.0 U	NA	5.0 U	35	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	14 J	2.4 J	2.4 J
MW-25	3/10/2010	2.3	NA	**2.8**	2.0 U	NA	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
	9/25/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	3/12/2011	1.0	NA	0.66 J	2.0 U	NA	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	1.0 U
	9/17/2011	0.98 J	NA	0.76 J	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/10/2012	0.25 U	NA	0.25 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	12.5 U	0.74 J	2.5 U
	3/28/2013	5.0 U	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U
MW-26***	12/6/2007	5.0 U	10.0 U	5.0 U	5.0 U	5.0 U	5.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/24/2008	NS	NS	NS	NS	NS	5.0 U	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26R	6/5/2008	5.0 U	NA	5.0 U	5.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/10/2008	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	3/4/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
	9/30/2009	5.0 U	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	9.0 J	5.0 U	5.0 U
	3/10/2010	**5.9**	NA	1.0 U	2.0 U	NA	1.0 U	1.0 U	1.0 U	1.0 U	1.1	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
	9/25/2010	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	3/12/2011	1.0 U	NA	1.0 U	2.0 U	NA	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	1.0 U
	9/17/2011	1.0 J	NA	5.0 U	10.0 U	NA	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	7.7 J	5.0 U	5.0 U
	3/10/2012	0.83 J	NA	2.5 U	5.0 U	NA	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	1.2 J	12.5 U	0.9 J	2.5 U
	3/28/2013	5.0 U	10.0 U	5.0 U	15.0 U	5.0 U	10.0 U	NA	NA	5.0 U	5.0 U	5.0 U	5.0 U	10.0 U	5.0 U	5.0 U

Notes:

General Comments

All results are in micrograms per liter (µg/L).

Only those parameters detected in at least one sample are reported on this table.

Bold face and shaded values indicate an exceedence of the Class GA Groundwater Standard or Guidance Value.

* - Benzene was not detected in the field duplicate sample which was collected from MW-5A (see Appendix B in the 4th Quarter Groundwater Monitoring Report, dated December 17, 2008).

** - MW-24 was not installed until March 2008 due to construction activities in the immediate area of the monitoring well location.

*** - MW-26 was installed and sampled during the first quarterly event and destroyed prior to the second quarterly event. MW-26R was installed prior to the third quarterly sampling event.

**** - MW-25 was covered over sometime after the 5th sampling event. MW-25R was installed on October 3, 2009. MW-25 was later uncovered and is currently in use.

+ - Original well was decommissioned due to site construction activities. Replacement well was installed in September 2010.

Standards

[1] = NYSDEC TOGS Series 1.1.1, Ambient Groundwater Quality Standards & Guidance Values & Groundwater Effluent Limitations, Revised June 1998, and updates.

^ = No standard or guidance value available.

GV = No standard available; value listed is a guidance value.

Laboratory Qualifiers - Organic

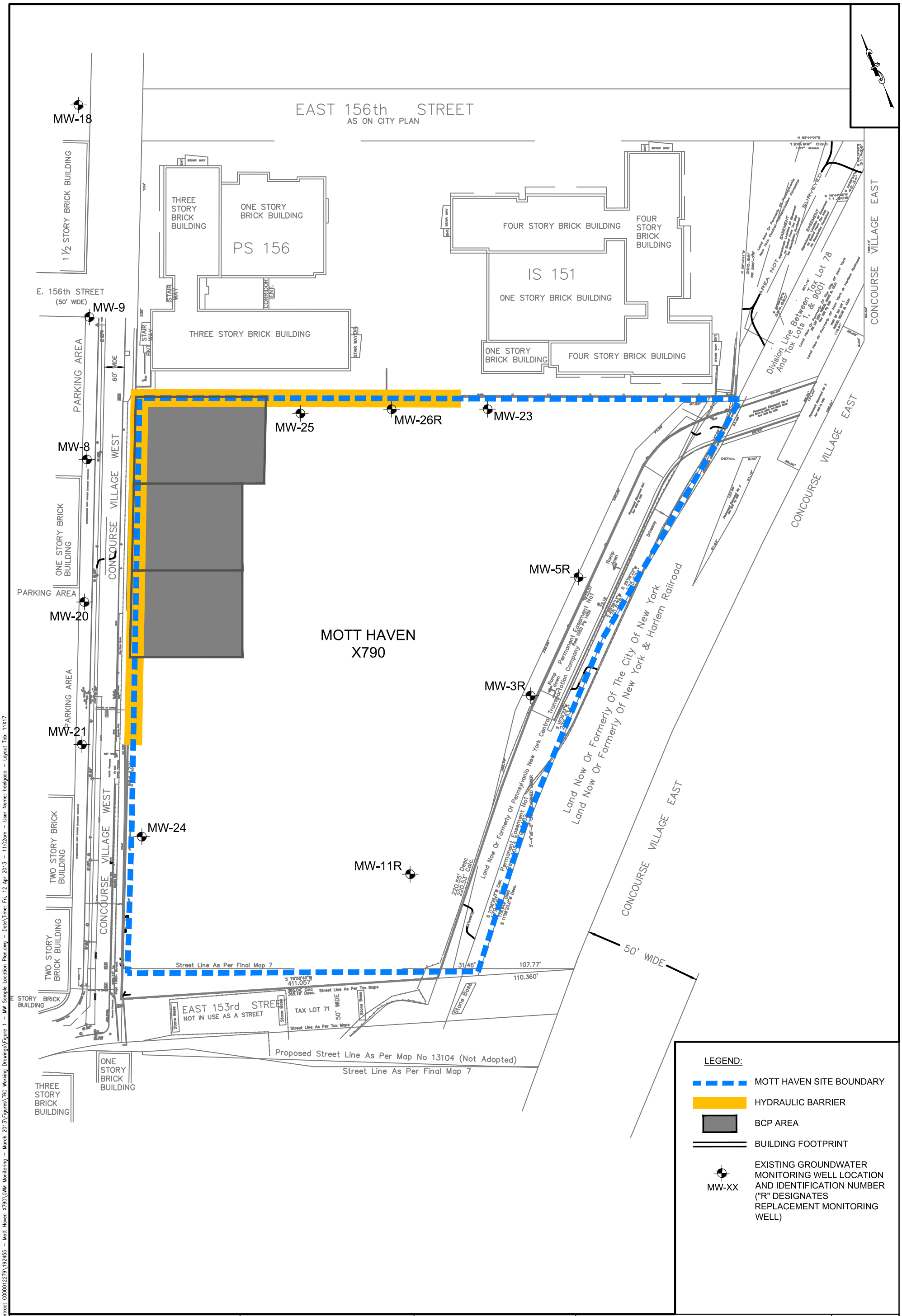
NS - Not sampled

NA - Not analyzed

U - Indicates the compound was analyzed for but was not detected.

J - The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).

FIGURES



0 100 200 FT.

APPROXIMATE SCALE: 1"=100'

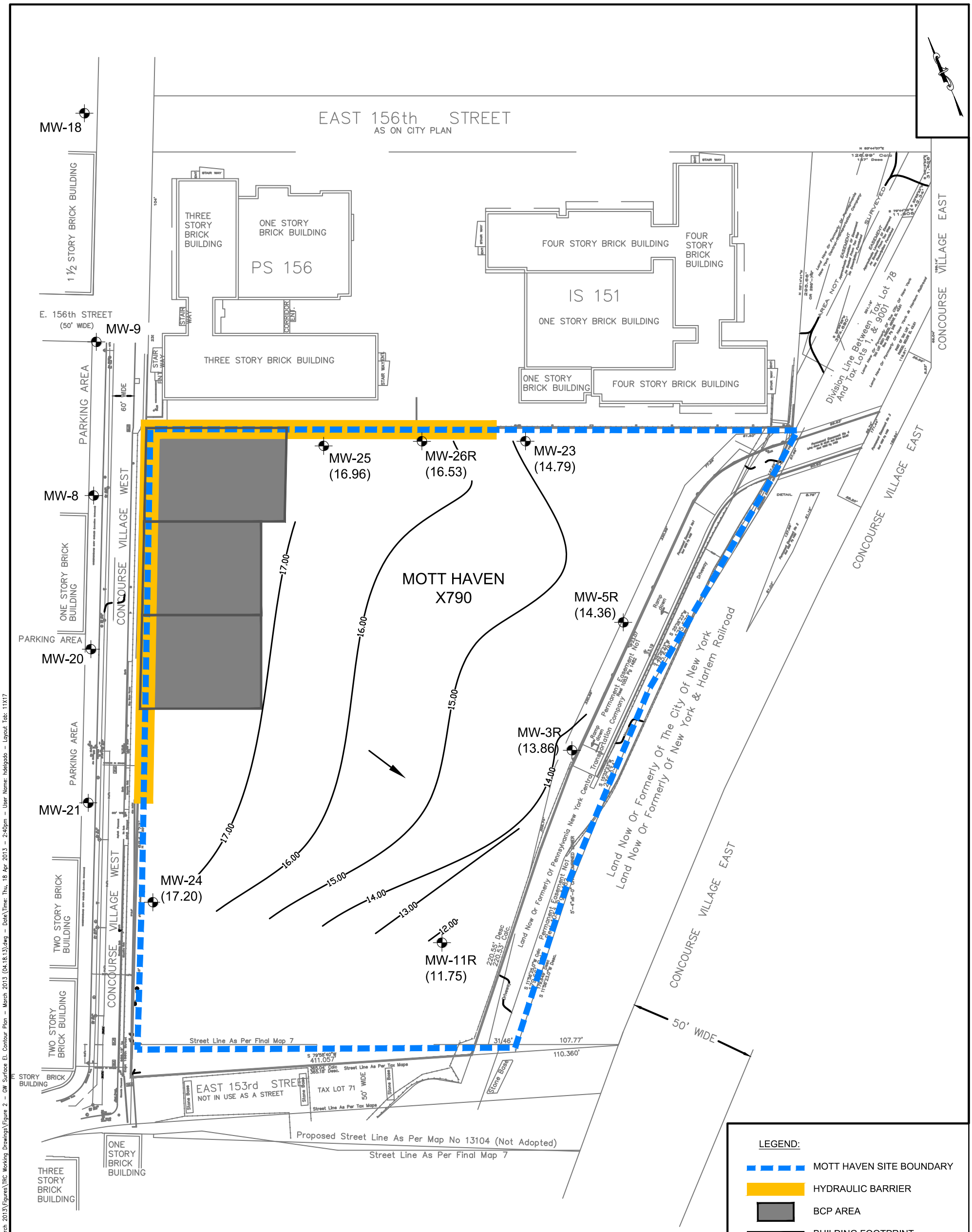
PAPER SIZE: 17" x 11"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018

DESIGNED BY: RT	PROJECT NAME: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY X790 - MOTT HAVEN 730 CONCOURSE VILLAGE EAST BRONX, NEW YORK
DRAWN BY: HD	
CHECKED BY: CG	
DATE: APRIL 2013	DRAWING TITLE: MONITORING WELL LOCATION PLAN
SCALE: AS SHOWN	
PROJECT NUMBER: 192455.0000.0000	

FIGURE 1

Path\Name: I:\Projects\NYCSCA Contract C000012279\192455 – Mott Haven X790\GWM Monitoring – March 2013\Figures\TRC Working Drawings\Figure 1 – MW Sample Location Plan.dwg – Date\Time: Fri, 12 Apr 2013 – 11:02am – User Name: hdelgado – Layout Tab: 11X17



NOTES:

1. HORIZONTAL DATUM: COORDINATE SYSTEM BASED UPON PUBLISHED COORDINATES OF EXISTING WELLS AND MH AT CP 802
2. VERTICAL DATUM: BRONX BOROUGH PRESIDENT'S DATUM WHICH IS 2.725 FT ABOVE U.S. COAST AND GEODETIC SURVEY DATUM, SANDY HOOK, NJ (NGVD 29)

LEGEND:

- MOTT HAVEN SITE BOUNDARY
- HYDRAULIC BARRIER
- BCP AREA
- BUILDING FOOTPRINT
- MW-0X EL. 11.33 — EXISTING GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER ("R" DESIGNATES REPLACEMENT MONITORING WELL) WITH GROUNDWATER SURFACE ELEVATION IN FEET
- 17.00 — GROUNDWATER SURFACE ELEVATION CONTOUR
- GROUNDWATER FLOW DIRECTION

0 100 200 FT.

APPROXIMATE SCALE: 1"=100'

PAPER SIZE: 17" x 11"

TRC
1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018

DESIGNED BY: RT	PROJECT NAME: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY X790 - MOTT HAVEN 730 CONCOURSE VILLAGE EAST BRONX, NEW YORK
DRAWN BY: HD	
CHECKED BY: CG	
DATE: APRIL 2013	DRAWING TITLE: GROUNDWATER SURFACE ELEVATION CONTOUR PLAN MARCH 2013
SCALE: AS SHOWN	
PROJECT NUMBER: 192455.0000.0000	

FIGURE 2

Path\Name: I:\Projects\NYCSCA Contract C000012279\192455 – Mott Haven X790\GWM Monitoring – March 2013\Figures\TRC Working Drawings\Figure 2 – GW Surface El. Contour Plan – March 2013 (04.18.13).dwg – Date\Time: Thu, 18 Apr 2013 – 2:40pm – User Name: hdelgado – Layout Tab: 11X17

APPENDIX A

Groundwater Sampling Data Record Form

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 09:25 hrs	1 of 1

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-3R

WELL INTEGRITY	YES	NO
Protect. Casing Secure	NA	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): NA

WELL DIAMETER	
	1 inch
	2 inch
	4 inch
	6 inch
X	1.5 inch

WELL MATERIAL

X		
PVC	SS	

PID SCREENING (ppmV)	
Background	0.0
Well Mouth	13.2

Well Depth (ft.):	14.91
Depth to Water (ft):	3.25
Depth of pump intake (ft.)	Approx. 13.0 ft
Height of water column (ft.):	11.7
Vol. of Water in Well (gal):	1.07
Total Gallons Purged:	3.00

Reference Point:		
X	top of riser	
	top of casing	
	bgs	
		X

historic
measured
notch
north side
high point
pen mark

	.041 gal/ft (1 in.)
	.163 gal/ft (2 in.)
	.653 gal/ft (4 in.)
	1.5 gal/ft (6 in.)
X	.092 gal/ft (1.5in.)

Depth to NAPL (ft.):	NIL
Thick. of NAPL (ft.):	NA

FIELD WATER QUALITY MEASUREMENTS

Time	9:30	9:35	9:40	9:45	9:50	9:55	10:00		
Temp. (C.) - (±10%)	12.17	12.00	11.66	11.58	11.54	11.54	11.53		
pH (Std.Units) - (± 0.1)	6.8	6.85	6.88	6.89	6.89	6.89	6.89		
ORP (millivolts) - (± 10)	-84	-77	-59	-55	-54	-54	-53		
Conduct.(mS/cm) - (±3%)	1.20	1.14	1.06	1.06	1.04	1.04	1.04		
Turb. (NTU) - (± 10%)	35.8	24.6	9.5	7.8	2.6	2.6	1.7		
DO (mg/L) - (± 10%)	4.61	3.28	2.49	2.08	1.77	1.76	1.76		
Flow (gpm)	0.125	0.125	0.125	0.125	0.125	0.125	0.125		
Depth to water (ft)	3.25			3.40			3.40		
Comments	Clear	Clear	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260)	N	HCl	3 VOAs	10:00 hrs	TRC-MW-3R
(No TICS)					

Remarks: NIL

Groundwater Sampling Data Record Form

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 10:15 hrs	1 of 1

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-5R

WELL INTEGRITY	YES	NO
Protect. Casing Secure	NA	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): NA

WELL DIAMETER	
	1 inch
	2 inch
	4 inch
	6 inch
X	1.5 inch

WELL MATERIAL

X		
PVC	SS	

PID SCREENING (ppmV)	
Background	0.0
Well Mouth	0.9

Well Depth (ft.):	14.92
Depth to Water (ft):	5.27
Depth of pump intake (ft.)	Approx. 13.0 ft
Height of water column (ft.):	9.65
Vol. of Water in Well (gal):	0.89
Total Gallons Purged:	3.50

Reference Point:		
X	top of riser	
	top of casing	
	bgs	
		X

	historic
	measured
	notch
	north side
	high point
X	pen mark

	.041 gal/ft (1 in.)
	.163 gal/ft (2 in.)
	.653 gal/ft (4 in.)
	1.5 gal/ft (6 in.)
X	.092 gal/ft (1.5in.)

Depth to NAPL (ft.):	NIL
Thick. of NAPL (ft.):	NA

FIELD WATER QUALITY MEASUREMENTS

Time	10:15	10:20	10:25	10:30	10:35	10:40	10:45		
Temp. (C.) - (±10%)	12.00	11.57	11.29	11.19	11.13	11.13	11.14		
pH (Std.Units) - (± 0.1)	7.27	7.27	7.22	7.18	7.16	7.16	7.16		
ORP (millivolts) - (± 10)	-62	-84	-105	-114	-121	-120	-120		
Conduct.(mS/cm) - (±3%)	0.674	0.688	0.713	0.724	0.724	0.724	0.724		
Turb. (NTU) - (± 10%)	84.36	53.2	43.7	23.7	15.1	8.9	7.6		
DO (mg/L) - (± 10%)	4.08	3.62	2.88	2.72	2.72	2.72	2.72		
Flow (gpm)	0.125	0.125	0.125	0.125	0.125	0.125	0.125		
Depth to water (ft)	5.27			7.35			9.88		
Comments	Clear	Clear	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260)	N	HCl	3 VOAs	10:45 hrs	TRC-MW-5R
No TICs	N	HCl	(3 + 3) VOAs	10:45 hrs	MS & MSD

Remarks: Nil

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 08:40 hrs	1 of 1

Groundwater Sampling Data Record Form

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-11R

WELL INTEGRITY	YES	NO
Protect. Casing Secure	NA	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): NA

WELL DIAMETER	
	1 inch
	2 inch
	4 inch
	6 inch
X	1.5 inch

WELL MATERIAL

X		
PVC	SS	

PID SCREENING (ppmV)	
Background	0.0
Well Mouth	3.4

Well Depth (ft.):	18.01
Depth to Water (ft):	7.42

Reference Point:		
		historic
		measured
X	top of riser	notch
	top of casing	north side
	bgs	high point
		X pen mark

Depth of pump intake (ft.): Approx. 16.0 ft

	.041 gal/ft (1 in.)
	.163 gal/ft (2 in.)
	.653 gal/ft (4 in.)
	1.5 gal/ft (6 in.)
X	.092 gal/ft (1.5in.)

Height of water column (ft.): 10.6

Vol. of Water in Well (gal):	0.97	Depth to NAPL (ft.):	NIL
Total Gallons Purged:	2.25	Thick. of NAPL (ft.):	NA

FIELD WATER QUALITY MEASUREMENTS

Time	8:45	8:50	8:55	9:00	9:05	9:10	9:15		
Temp. (C.) - (±10%)	12.88	12.86	13.05	13.30	13.43	13.57	13.57		
pH (Std.Units) - (± 0.1)	6.11	6.43	6.47	6.51	6.55	6.58	6.58		
ORP (millivolts) - (± 10)	22	24	25	34	43	55	56		
Conduct.(mS/cm) - (±3%)	1.20	1.19	1.20	1.21	1.22	1.22	1.22		
Turb. (NTU) - (± 10%)	84.2	38.1	39.6	27.6	27.1	10.7	8.9		
DO (mg/L) - (± 10%)	1.03	1.61	1.46	1.27	1.28	1.28	1.28		
Flow (gpm)	0.125	0.125	0.125	0.125	0.075	0.075	0.075		
Depth to water (ft)	7.42			11.69			14.01		
Comments	Red Brown	Lt. brown	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260)	N	HCl	3 VOAs	09:15 hrs	TRC-MW-11R
(No TICS)					

Remarks: NIL

Groundwater Sampling Data Record Form

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 11:00 hrs	1 of 1

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-23

WELL INTEGRITY	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	NA	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): **1.5 ft**

WELL DIAMETER	
	1 inch
X	2 inch
	4 inch
	6 inch
	1.5 inch

WELL MATERIAL

X		
PVC	SS	

Well Depth (ft.):	**16.85**
Depth to Water (ft):	**8.24**

Reference Point:		
		historic
		measured
X	top of riser	notch
	top of casing	north side
	bgs	high point
		X pen mark

Depth of pump intake (ft.): Approx. 15.0 ft

	.041 gal/ft (1 in.)
X	.163 gal/ft (2 in.)
	.653 gal/ft (4 in.)
	1.5 gal/ft (6 in.)
	gal/ft (1.5in.)

Height of water column (ft.): **8.61**

PID SCREENING (ppmV)	
Background	0.0
Well Mouth	**0.0**

Vol. of Water in Well (gal):	**1.40**	**Depth to NAPL (ft.):**	**NIL**
Total Gallons Purged:	**3.50**	**Thick. of NAPL (ft.):**	**NA**

FIELD WATER QUALITY MEASUREMENTS

Time	11:00	11:05	11:10	11:15	11:20	11:25	11:30		
Temp. (C.) - (±10%)	12.19	12.01	11.70	11.23	11.15	11.08	11.08		
pH (Std.Units) - (± 0.1)	7.14	7.12	7.11	7.09	7.09	7.1	7.09		
ORP (millivolts) - (± 10)	-56	-56	-58	-65	-59	-35	-35		
Conduct.(mS/cm) - (±3%)	1.00	1.09	1.01	1.00	0.977	0.953	0.953		
Turb. (NTU) - (± 10%)	164	89	57	46	37.9	26.7	18.9		
DO (mg/L) - (± 10%)	2.28	2.2	1.49	1.2	1.21	1.14	1.14		
Flow (gpm)	0.125	0.125	0.125	0.125	0.125	0.125	0.125		
Depth to water (ft)	8.24			9.74			11.48		
Comments	Clear	Clear	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260) No	N	HCl	3 VOAs	11:30 hrs	TRC-MW-23
TICs	N	HCl	3 VOAs	11:30 hrs	Field Dup

Remarks: NIL

Groundwater Sampling Data Record Form

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 07:50 hrs	1 of 1

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-24

WELL INTEGRITY	YES	NO
Protect. Casing Secure	NA	
Concrete Collar Intact	NA	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): NA

WELL DIAMETER	
X	1 inch
	2 inch
	4 inch
	6 inch
	1.5 inch

WELL MATERIAL		
X		
PVC	SS	

PID SCREENING (ppmV)	
Background	0.0
Well Mouth	0.0

Well Depth (ft.):	15.24
Depth to Water (ft):	7.12
Height of water column (ft.):	8.12
Vol. of Water in Well (gal):	0.33
Total Gallons Purged:	1.25

Reference Point:		
		historic
		measured
X	top of riser	notch
	top of casing	north side
	bgs	high point
		X pen mark

Depth of pump intake (ft.)		
Approx. 13.0 ft	X	.041 gal/ft (1 in.)
		.163 gal/ft (2 in.)
		.653 gal/ft (4 in.)
		1.5 gal/ft (6 in.)
		gal/ft (1.5in.)

Depth to NAPL (ft.):	NIL
Thick. of NAPL (ft.):	NA

FIELD WATER QUALITY MEASUREMENTS

Time	8:00	8:05	8:10	8:15	8:20	8:25	8:30		
Temp. (C.) - (±10%)	13.29	13.35	13.68	13.71	13.71	13.71	13.70		
pH (Std.Units) - (± 0.1)	6.22	6.28	6.53	6.66	6.72	6.72	6.72		
ORP (millivolts) - (± 10)	111	143	158	163	181	181	181		
Conduct.(mS/cm) - (±3%)	2.65	2.37	1.96	1.88	1.88	1.88	1.87		
Turb. (NTU) - (± 10%)	23.1	21.5	19.3	16.5	11.3	8.21	6.7		
DO (mg/L) - (± 10%)	4.22	3.86	3.23	3.23	3.18	3.18	3.18		
Flow (gpm)	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Depth to water (ft)	7.12			9.18			10.78		
Comments	Clear	Clear	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260)	N	HCl	3 VOAs	08:30 hrs	TRC-MW-24
(No TICS)					

Remarks: NIL

Groundwater Sampling Data Record Form

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 12:00 hrs	1 of 1

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-25 (old)

WELL INTEGRITY

	YES	NO
Protect. Casing Secure	X	
Concrete Collar Intact	NA	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): **1.5 ft**

WELL DIAMETER

	1 inch
X	2 inch
	4 inch
	6 inch
	1.5 inch

WELL MATERIAL

X		
PVC	SS	

Well Depth (ft.): 9.8

Depth to Water (ft): 6.03

Reference Point:

X	top of riser	
	top of casing	
	bgs	

	historic
	measured
	notch
	north side
	high point
X	pen mark

Depth of pump intake (ft.)

Approx. 9.0 ft

	.041 gal/ft (1 in.)
X	.163 gal/ft (2 in.)
	.653 gal/ft (4 in.)
	1.5 gal/ft (6 in.)
	gal/ft (1.5in.)

Height of water column (ft.): **3.77**

PID SCREENING (ppmV)

Background	0.0
Well Mouth	**0.0**

Vol. of Water in Well (gal):	**0.61**	**Depth to NAPL (ft.):**	**NIL**
Total Gallons Purged:	**1.50**	**Thick. of NAPL (ft.):**	**NA**

FIELD WATER QUALITY MEASUREMENTS

Time	12:00	12:05	12:10	12:15	12:20	12:25	12:30		
Temp. (C.) - (±10%)	11.65	11.23	11.08	11.08	11.10	11.10	11.10		
pH (Std.Units) - (± 0.1)	7.01	6.87	6.79	6.74	6.74	6.73	6.73		
ORP (millivolts) - (± 10)	-52	-77	-73	-76	-77	-77	-77		
Conduct.(mS/cm) - (±3%)	1.430	1.470	1.470	1.530	1.530	1.470	1.470		
Turb. (NTU) - (± 10%)	48.6	39.4	36	28.31	31.75	29.44	27.17		
DO (mg/L) - (± 10%)	3.26	2.76	1.92	1.88	1.85	1.85	1.85		
Flow (gpm)	0.05	0.05	0.05	0.05	0.05	0.05	0.05		
Depth to water (ft)	6.03			7.23			8.87		
Comments	Clear	Clear	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260) No	N	HCl	3 VOAs	12:30 hrs	TRC-MW-25
TICs					

Remarks: **NIL**

Project	Project No.	Date/Time	Sheet
Mott Haven Campus	192455	03.28.2013; 12:45 hrs	1 of 1

Groundwater Sampling Data Record Form

TRC Personnel

Sanjay Sharma

Well Identification No.: MW-26R

WELL INTEGRITY	YES	NO
Protect. Casing Secure	NA	
Concrete Collar Intact	X	
PVC Stick-up Intact	X	
Well Cap Present	X	
Security Lock Present	X	

Protective Casing Stick-up (from Ground): NA

WELL DIAMETER	
	1 inch
	2 inch
	4 inch
	6 inch
X	1.5 inch

WELL MATERIAL

X		
PVC	SS	

PID SCREENING (ppmV)	
Background	0.0
Well Mouth	0.5

Well Depth (ft.):	17.23
Depth to Water (ft):	6.07
Depth of pump intake (ft.)	Approx. 15.0 ft
Height of water column (ft.):	11.2
Vol. of Water in Well (gal):	1.03
Total Gallons Purged:	3.00

Reference Point:		
		historic
		measured
X	top of riser	notch
	top of casing	north side
	bgs	high point
		X pen mark

	.041 gal/ft (1 in.)
	.163 gal/ft (2 in.)
	.653 gal/ft (4 in.)
	1.5 gal/ft (6 in.)
X	.092 gal/ft (1.5in.)

Depth to NAPL (ft.):	NIL
Thick. of NAPL (ft.):	NA

FIELD WATER QUALITY MEASUREMENTS

Time	12:45	12:50	12:55	13:00	13:05	13:10	13:15		
Temp. (C.) - (±10%)	12.00	11.76	11.57	11.35	11.28	11.28	11.28		
pH (Std.Units) - (± 0.1)	7.48	7.35	7.26	7.22	7.22	7.22	7.22		
ORP (millivolts) - (± 10)	-102	-97	-79	-63	-62	-63	-63		
Conduct.(mS/cm) - (±3%)	2.15	1.97	1.58	1.42	1.35	1.35	1.35		
Turb. (NTU) - (± 10%)	64.38	59.24	41.23	28.67	21.89	11.62	8.44		
DO (mg/L) - (± 10%)	3.49	2.78	2.31	1.86	1.47	1.47	1.47		
Flow (gpm)	0.125	0.125	0.125	0.125	0.125	0.125	0.125		
Depth to water (ft)	6.07			9.66			11.75		
Comments	Clear	Clear	Clear	Clear	Clear	Clear	Clear		

Pump Type	Purge	Sample	Description of Sampling Equipment
Peristaltic Pump	X	X	Horiba U-52 Low Flow (ID # 019518)
Submersible Pump			
Bladder Pump			
Bailer:			

Analytical Parameters	Filtered (Y/N)	Preservation	Volume/Containers	Time Collected	Sample ID
TCL VOCs (EPA 8260)	N	HCl	3 VOAs	13:15 hrs	TRC-MW-26R
(No TICS)					

Remarks: NIL

APPENDIX B

YORK
ANALYTICAL LABORATORIES, INC.

Technical Report

prepared for:

TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York NY, 10018
Attention: Charles Guder

Report Date: 04/04/2013
Client Project ID: 192455 Mott Haven HS
York Project (SDG) No.: 13D0022

CT License No. PH-0723 New Jersey License No. CT-005 New York License No. 10854 PA License No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 (203) 325-1371 FAX (203) 357-0166

Report Date: 04/04/2013
Client Project ID: 192455 Mott Haven HS
York Project (SDG) No.: 13D0022

TRC Engineers, Inc.
1430 Broadway, 10th Floor
New York NY, 10018
Attention: Charles Guder

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 28, 2013 and listed below. The project was identified as your project: **192455 Mott Haven HS**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Notes section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the attachment to this report, and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
13D0022-01	TRC-MW-24	Water	03/28/2013	03/28/2013
13D0022-02	TRC-MW-11R	Water	03/28/2013	03/28/2013
13D0022-03	TRC-MW-3R	Water	03/28/2013	03/28/2013
13D0022-04	TRC-MW-5R	Water	03/28/2013	03/28/2013
13D0022-05	TRC-MW-23	Water	03/28/2013	03/28/2013
13D0022-06	TRC-MW-25	Water	03/28/2013	03/28/2013
13D0022-07	TRC-MW-26R	Water	03/28/2013	03/28/2013
13D0022-08	Field Dup.	Water	03/28/2013	03/28/2013
13D0022-09	Trip Blank	Water	03/28/2013	03/28/2013

General Notes for York Project (SDG) No.: 13D0022

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All samples were received in proper condition for analysis with proper documentation, unless otherwise noted.
6. All analyses conducted met method or Laboratory SOP requirements. See the Qualifiers and/or Narrative sections for further information.
7. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
8. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.

Approved By: **Date:** 04/04/2013

Robert Q. Bradley
Laboratory Director

YORK

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-24 **York Sample ID:** 13D0022-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 8:30 am	03/28/2013

Volatile Organics, TCL (Target Compound List)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-24 **York Sample ID:** 13D0022-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 8:30 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
127-18-4	**Tetrachloroethylene**	**19**		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
79-01-6	**Trichloroethylene**	**1.3**	J	ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:09	SS

Sample Information

Client Sample ID: TRC-MW-11R **York Sample ID:** 13D0022-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 9:15 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-11R **York Sample ID:** 13D0022-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 9:15 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-11R **York Sample ID:** 13D0022-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 9:15 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 02:46	SS

Sample Information

Client Sample ID: TRC-MW-3R **York Sample ID:** 13D0022-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 10:00 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-3R **York Sample ID:** 13D0022-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 10:00 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.1**	J	ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:22	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-5R **York Sample ID:** 13D0022-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 10:45 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-5R **York Sample ID:** 13D0022-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 10:45 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 03:59	SS

Sample Information

Client Sample ID: TRC-MW-23 **York Sample ID:** 13D0022-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 11:30 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-23 **York Sample ID:** 13D0022-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 11:30 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-23 **York Sample ID:** 13D0022-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 11:30 am	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 04:36	SS

Sample Information

Client Sample ID: TRC-MW-25 **York Sample ID:** 13D0022-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 12:30 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-25 **York Sample ID:** 13D0022-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 12:30 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:12	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: TRC-MW-26R **York Sample ID:** 13D0022-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 1:15 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **TRC-MW-26R** **York Sample ID:** **13D0022-07**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 1:15 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 05:49	SS

Sample Information

Client Sample ID: **Field Dup.** **York Sample ID:** **13D0022-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 3:00 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Field Dup.** **York Sample ID:** **13D0022-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 3:00 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
156-59-2	**cis-1,2-Dichloroethylene**	**1.3**	J	ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Field Dup.** **York Sample ID:** **13D0022-08**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 3:00 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 06:26	SS

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **13D0022-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 3:00 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.34	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.3	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.91	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.98	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.44	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.36	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.23	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.48	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
78-93-3	2-Butanone	ND		ug/L	1.5	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
591-78-6	2-Hexanone	ND		ug/L	1.1	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.86	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
67-64-1	Acetone	ND		ug/L	6.1	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS

YORK
ANALYTICAL LABORATORIES, INC.

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **13D0022-09**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
13D0022	192455 Mott Haven HS	Water	March 28, 2013 3:00 pm	03/28/2013

Volatile Organics, TCL (Target Compound List) **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	MDL	RL	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-43-2	Benzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-27-4	Bromodichloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-25-2	Bromoform	ND		ug/L	0.58	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
74-83-9	Bromomethane	ND		ug/L	2.0	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-15-0	Carbon disulfide	ND		ug/L	0.51	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.56	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
108-90-7	Chlorobenzene	ND		ug/L	0.38	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-00-3	Chloroethane	ND		ug/L	2.8	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
67-66-3	Chloroform	ND		ug/L	0.42	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
74-87-3	Chloromethane	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.43	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
124-48-1	Dibromochloromethane	ND		ug/L	0.39	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.35	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.25	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
98-82-8	Isopropylbenzene	ND		ug/L	0.63	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.53	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-09-2	Methylene chloride	ND		ug/L	2.4	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
91-20-3	Naphthalene	ND		ug/L	1.2	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.30	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
95-47-6	o-Xylene	ND		ug/L	0.21	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.53	10	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.59	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
100-42-5	Styrene	ND		ug/L	0.22	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
98-06-6	tert-Butylbenzene	ND		ug/L	1.4	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.41	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
108-88-3	Toluene	ND		ug/L	0.17	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.52	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.67	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
79-01-6	Trichloroethylene	ND		ug/L	0.16	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.54	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.68	5.0	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.55	15	1	EPA SW846-8260B/EPA 624	04/03/2013 16:37	04/04/2013 07:02	SS

YORK
ANALYTICAL LABORATORIES, INC.

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
13D0022-01	TRC-MW-24	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-02	TRC-MW-11R	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-03	TRC-MW-3R	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-04	TRC-MW-5R	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-05	TRC-MW-23	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-06	TRC-MW-25	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-07	TRC-MW-26R	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-08	Field Dup.	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
13D0022-09	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

J Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL); therefore, the result is an estimated concentration.

ND Analyte NOT DETECTED at the stated Reporting Limit (RL) or above.

RL REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.

MDL METHOD DETECTION LIMIT - the minimum concentration that can be measured and reported with a 99% confidence that the concentration is greater than zero. If requested or required, a value reported below the RL and above the MDL is considered estimated and is noted with a "J" flag.

NR Not reported

RPD Relative Percent Difference

Wet The data has been reported on an as-received (wet weight) basis

Low Bias Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

High Bias High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.

Non-Dir. Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two.
For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the MDL, with values between the MDL and the RL being "J" flagged as estimated results.

YORK ANALYTICAL LABORATORIES INC
YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13D0022

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: TRC	Company:	Company:	192455 Mott Haven HS	RUSH - Same Day ☐	Summary Report
Address: 1430 Broadway 10th Fl. N.Y.	Address: Same	Address: Same	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No. 212 221-7822	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: Charlie Guder	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address: cguder@TRCsolutions.com	E-Mail Address:	E-Mail Address:	Samples from: CT ___ (NY) ___ NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☒	NY ASP B Package
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison Excel Spreadsheet
					Compare to the following Regs. (please fill in): EDD-Comparison to Class GA Values

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Matrix Codes
S - soil
Other - specify (oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Samples Collected/Authorized By (Signature): [signature]

Name (printed): Sanjay Sharma

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
TRC-MW-24	3/28/13 08:30	GW	TCL VOCs (by EPA method 8260) NO TICs	40ml. VOAs-3
TRC-MW-11R	09:15			
TRC-MW-3R	10:00			
TRC-MW-5R	10:45			
TRC-MW-23	11:30			
TRC-MW-25	12:30			
TRC-MW-26R	13:15			
MS-(MW-5R)	10:45			
MSD-(MW-5R)	10:45			
Field Dup.	—			

Comments: EDD format - Comparison to class GA values in EQUIS format.

Preservation (Check those Applicable): 4°C ___ Frozen ___ HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions: Field Filtered ☐ Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	3/28/13 1330	[signature]	3/28 400
Samples Relinquished By	Date/Time	Samples Received in LAB by: Grace	Date/Time: 3-28-13 1900

Temperature on Receipt: 3.5 °C

YORK ANALYTICAL LABORATORIES INC
YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 13D0022

YOUR Information	Report To:	Invoice To:	YOUR Project ID	Turn-Around Time	Report Type
Company: TRC	Company:	Company:	192455 Mott Haven HS	RUSH - Same Day ☐	Summary Report
Address: 1430 Broadway 10th Fl. NY	Address: Same	Address: Same	Purchase Order No.	RUSH - Next Day ☐	Summary w/ QA Summary
Phone No. 212 221 7822	Phone No.	Phone No.		RUSH - Two Day ☐	CT RCP Package
Contact Person: C. Geder	Attention:	Attention:		RUSH - Three Day ☐	CTRCP DQA/DUE Pkg
E-Mail Address:	E-Mail Address:	E-Mail Address:	Samples from: CT ___ NY ✓ NJ ___	RUSH - Four Day ☐	NY ASP A Package
				Standard(5-7 Days) ☒	NY ASP B Package
					NJDEP Red. Deliv.
					Electronic Data Deliverables (EDD)
					Simple Excel
					NYSDEC EQuIS
					EQuIS (std)
					EZ-EDD (EQuIS)
					NJDEP SRP HazSite EDD
					GIS/KEY (std)
					Other
					York Regulatory Comparison
					Excel Spreadsheet
					Compare to the following Regs. (please fill in): EDD-GIASS GA Values in EQUIS

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature): [signature]

Name (printed): Sanjay Sharma

Matrix Codes
- S - soil
- Other - specify(oil, etc.)
- WW - wastewater
- GW - groundwater
- DW - drinking water
- Air-A - ambient air
- Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
Trip Blank	3/28/13 —	~~SOIL~~ AQ	TCL VOC by EPA 8260 (NO TICS)	2 VOAs.

Comments
EDD - Comparison to Class GA Values & in EQUIS format.

Preservation Check those Applicable: 4°C ✓ Frozen ___ HCl ✓ MeOH ___ HNO$_3$ ___ H$_2$SO$_4$ ___ NaOH ___ ZnAc ___ Ascorbic Acid ___ Other ___

Special Instructions
Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By	Date/Time	Samples Received By	Date/Time
[signature]	3/28/13 1330	[signature]	3/28 1900
		Place	3-28-13 1900
Samples Relinquished By	Date/Time	Samples Received in LAB by	Date/Time

Temperature on Receipt 3.5 °C

APPENDIX C

NEW YORK
state department of
HEALTH

Nirav R. Shah, M.D., M.P.H.
Commissioner

Sue Kelly
Executive Deputy Commissioner

LAB ID: 10854

April 01, 2013

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

Certificate Expiration Date:
April 01, 2014

Dear Mr. Bradley,

Enclosed are Certificate(s) of Approval issued to your environmental laboratory for the current permit year. The Certificate(s) supersede(s) any previously issued one(s) and is(are) in effect through the expiration date listed. Please carefully examine the Certificate(s) to insure that the categories, subcategories, analytes, and methods for which your laboratory is approved are correct. In addition, verify that your laboratory's name, address, lead technical director, and identification number are accurate.

Pursuant to NYCRR Subpart 55-2.2, original certificates must be posted conspicuously in the laboratory and copies shall be made available to any client of the laboratory upon request.

Pursuant to NYCRR Subpart 55-2.6, any misrepresentation of the Fields of Accreditation (Matrix - Method - Analyte) for which your laboratory is approved may result in denial, suspension, or revocation of your certification. Any use of the Environmental Laboratory Approval Program (ELAP) or National Environmental Laboratory Accreditation Program (NELAP) name, reference to the laboratory's approval status, and/or using the NELAP logo in any catalogs, advertising, business solicitations, proposals, quotations, laboratory analytical reports, or other materials must include the laboratory's ELAP identification number and distinguish between testing for which the laboratory is approved and testing for which the laboratory is not approved.

If you have any questions, please contact ELAP at the New York State Department of Health (NYS DOH), Wadsworth Center, PO Box 509, Albany NY, 12201-0509; by phone at (518) 485-5570; by facsimile at (518) 485-5568; and by email at elap@health.state.ny.us.

Sincerely,

Stephanie E. Ostrowski

STEPHANIE OSTROWSKI, PH.D.
Program Director
Environmental Laboratory Approval Program

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Drinking Water Metals I

Arsenic, Total	EPA 200.8 Rev. 5.4
Barium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Iron, Total	EPA 200.7 Rev. 4.4
	SM 18-19, 21 3113B (99 & 04)
Lead, Total	EPA 200.8 Rev. 5.4
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Mercury, Total	EPA 245.1 Rev. 3.0
Selenium, Total	EPA 200.8 Rev. 5.4
Silver, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Drinking Water Metals II

Aluminum, Total	EPA 200.8 Rev. 5.4
Antimony, Total	EPA 200.8 Rev. 5.4
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4

Drinking Water Metals II

Molybdenum, Total	EPA 200.8 Rev. 5.4
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
Thallium, Total	EPA 200.8 Rev. 5.4
Vanadium, Total	EPA 200.8 Rev. 5.4

Drinking Water Metals III

Sodium, Total	EPA 200.7 Rev. 4.4

Drinking Water Non-Metals

Alkalinity	SM 18-21 2320B (97)
Calcium Hardness	EPA 200.7 Rev. 4.4
Color	SM 18-21 2120B (01)
Fluoride, Total	EPA 300.0 Rev. 2.1
Nitrate (as N)	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 300.0 Rev. 2.1
Solids, Total Dissolved	SM 18-21 2540C (97)
Sulfate (as SO4)	EPA 300.0 Rev. 2.1

Drinking Water Trihalomethanes

Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2

Fuel Additives

Methyl tert-butyl ether	EPA 524.2

Serial No.: 48420

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

Expires 12:01 AM April 01, 2014
Issued April 01, 2013

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES POTABLE WATER
All approved analytes are listed below:

Volatile Aromatics

1,2,3-Trichlorobenzene	EPA 524.2
1,2,4-Trichlorobenzene	EPA 524.2
1,2,4-Trimethylbenzene	EPA 524.2
1,2-Dichlorobenzene	EPA 524.2
1,3,5-Trimethylbenzene	EPA 524.2
1,3-Dichlorobenzene	EPA 524.2
1,4-Dichlorobenzene	EPA 524.2
2-Chlorotoluene	EPA 524.2
4-Chlorotoluene	EPA 524.2
Benzene	EPA 524.2
Bromobenzene	EPA 524.2
Chlorobenzene	EPA 524.2
Ethyl benzene	EPA 524.2
Hexachlorobutadiene	EPA 524.2
Isopropylbenzene	EPA 524.2
n-Butylbenzene	EPA 524.2
n-Propylbenzene	EPA 524.2
p-isopropyltoluene (P-Cymene)	EPA 524.2
sec-Butylbenzene	EPA 524.2
Styrene	EPA 524.2
tert-Butylbenzene	EPA 524.2
Toluene	EPA 524.2
Total Xylenes	EPA 524.2

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 524.2

Volatile Halocarbons

1,1,1-Trichloroethane	EPA 524.2
1,1,2,2-Tetrachloroethane	EPA 524.2
1,1,2-Trichloroethane	EPA 524.2
1,1-Dichloroethane	EPA 524.2
1,1-Dichloroethene	EPA 524.2
1,1-Dichloropropene	EPA 524.2
1,2,3-Trichloropropane	EPA 524.2
1,2-Dichloroethane	EPA 524.2
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2
Bromochloromethane	EPA 524.2
Bromomethane	EPA 524.2
Carbon tetrachloride	EPA 524.2
Chloroethane	EPA 524.2
Chloromethane	EPA 524.2
cis-1,2-Dichloroethene	EPA 524.2
cis-1,3-Dichloropropene	EPA 524.2
Dibromomethane	EPA 524.2
Dichlorodifluoromethane	EPA 524.2
Tetrachloroethene	EPA 524.2
trans-1,2-Dichloroethene	EPA 524.2
trans-1,3-Dichloropropene	EPA 524.2
Trichloroethene	EPA 524.2
Trichlorofluoromethane	EPA 524.2
Vinyl chloride	EPA 524.2

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All approved analytes are listed below:

Acrylates

Acrolein (Propenal)	EPA 8260B
Acrylonitrile	EPA 8260B

Amines

Pyridine	EPA 8270C

Benzidines

3,3'-Dichlorobenzidine	EPA 625
	EPA 8270C
	EPA 8270D
Benzidine	EPA 625
	EPA 8270C

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 608
	EPA 8081A
4,4'-DDE	EPA 608
	EPA 8081A
4,4'-DDT	EPA 608
	EPA 8081A
Aldrin	EPA 608
	EPA 8081A
alpha-BHC	EPA 608
	EPA 8081A
beta-BHC	EPA 608
	EPA 8081A
Chlordane Total	EPA 608

Chlorinated Hydrocarbon Pesticides

Chlordane Total	EPA 8081A
delta-BHC	EPA 608
	EPA 8081A
Dieldrin	EPA 608
	EPA 8081A
Endosulfan I	EPA 608
	EPA 8081A
Endosulfan II	EPA 608
	EPA 8081A
Endosulfan sulfate	EPA 608
	EPA 8081A
Endrin	EPA 608
	EPA 8081A
Endrin aldehyde	EPA 608
	EPA 8081A
Heptachlor	EPA 608
	EPA 8081A
Heptachlor epoxide	EPA 608
	EPA 8081A
Lindane	EPA 608
	EPA 8081A
Methoxychlor	EPA 608
	EPA 8081A
Toxaphene	EPA 608
	EPA 8081A

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Chlorinated Hydrocarbons

1,2,4,5-Tetrachlorobenzene	EPA 8270D
1,2,4-Trichlorobenzene	EPA 625
	EPA 8270C
	EPA 8270D
2-Chloronaphthalene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachlorobenzene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachlorobutadiene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachlorocyclopentadiene	EPA 625
	EPA 8270C
	EPA 8270D
Hexachloroethane	EPA 625
	EPA 8270C
	EPA 8270D

Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	EPA 8151A

Demand

Biochemical Oxygen Demand	SM 18-21 5210B (01)
Carbonaceous BOD	SM 18-21 5210B (01)
Chemical Oxygen Demand	SM 18-21 5220D (97)

Fuel Oxygenates

Di-isopropyl ether	EPA 8260B
Ethanol	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
tert-amyl alcohol	EPA 8260B
tert-amyl methyl ether (TAME)	EPA 8260B
tert-butyl alcohol	EPA 8260B
tert-butyl ethyl ether (ETBE)	EPA 8260B

Haloethers

4-Bromophenylphenyl ether	EPA 625
	EPA 8270C
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 625
	EPA 8270C
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 625
	EPA 8270C
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 625
	EPA 8270C
	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 625

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Haloethers

Bis(2-chloroisopropyl) ether	EPA 8270C
	EPA 8270D

Low Level Polynuclear Aromatics

Acenaphthene Low Level	EPA 8270D
Acenaphthylene Low Level	EPA 8270D
Anthracene Low Level	EPA 8270D
Benzo(a)anthracene Low Level	EPA 8270D
Benzo(a)pyrene Low Level	EPA 8270D
Benzo(b)fluoranthene Low Level	EPA 8270D
Benzo(g,h,i)perylene Low Level	EPA 8270D
Chrysene Low Level	EPA 8270D
Dibenzo(a,h)anthracene Low Level	EPA 8270D
Fluoranthene Low Level	EPA 8270D
Fluorene Low Level	EPA 8270D
Indeno(1,2,3-cd)pyrene Low Level	EPA 8270D
Naphthalene Low Level	EPA 8270D
Phenanthrene Low Level	EPA 8270D
Pyrene Low Level	EPA 8270D

Nitroaromatics and Isophorone

2,4-Dinitrotoluene	EPA 625
	EPA 8270C
	EPA 8270D
2,6-Dinitrotoluene	EPA 625
	EPA 8270C
	EPA 8270D

Nitroaromatics and Isophorone

Isophorone	EPA 625
	EPA 8270C
	EPA 8270D
Nitrobenzene	EPA 625
	EPA 8270C
	EPA 8270D

Nitrosoamines

N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 625
	EPA 8270C
	EPA 8270D
N-Nitrosodiphenylamine	EPA 625
	EPA 8270C
	EPA 8270D

Nutrient

Ammonia (as N)	SM 19-21 4500-NH3 D or E (97
Kjeldahl Nitrogen, Total	SM 19-21 4500-NH3 D or E (97
Nitrate (as N)	EPA 300.0 Rev. 2.1
Nitrite (as N)	EPA 300.0 Rev. 2.1
Orthophosphate (as P)	EPA 300.0 Rev. 2.1
Phosphorus, Total	SM 18-21 4500-P E

Petroleum Hydrocarbons

Diesel Range Organics	EPA 8015B
Gasoline Range Organics	EPA 8260B

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Phthalate Esters

Benzyl butyl phthalate	EPA 625
	EPA 8270C
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 625
	EPA 8270C
	EPA 8270D
Diethyl phthalate	EPA 625
	EPA 8270C
	EPA 8270D
Dimethyl phthalate	EPA 625
	EPA 8270C
	EPA 8270D
Di-n-butyl phthalate	EPA 625
	EPA 8270C
	EPA 8270D
Di-n-octyl phthalate	EPA 625
	EPA 8270C
	EPA 8270D

Polychlorinated Biphenyls

PCB-1016	EPA 608
	EPA 8082
PCB-1221	EPA 608
	EPA 8082
PCB-1232	EPA 608
	EPA 8082

Polychlorinated Biphenyls

PCB-1242	EPA 608
	EPA 8082
PCB-1248	EPA 608
	EPA 8082
PCB-1254	EPA 608
	EPA 8082
PCB-1260	EPA 608
	EPA 8082

Polynuclear Aromatics

Acenaphthene	EPA 625
	EPA 8270C
	EPA 8270D
Acenaphthylene	EPA 625
	EPA 8270C
	EPA 8270D
Anthracene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(a)anthracene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(a)pyrene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(b)fluoranthene	EPA 625

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Polynuclear Aromatics

Benzo(b)fluoranthene	EPA 8270C
	EPA 8270D
Benzo(ghi)perylene	EPA 625
	EPA 8270C
	EPA 8270D
Benzo(k)fluoranthene	EPA 625
	EPA 8270C
	EPA 8270D
Chrysene	EPA 625
	EPA 8270C
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 625
	EPA 8270C
	EPA 8270D
Fluoranthene	EPA 625
	EPA 8270C
	EPA 8270D
Fluorene	EPA 625
	EPA 8270C
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 625
	EPA 8270C
	EPA 8270D
Naphthalene	EPA 625
	EPA 8270C
	EPA 8270D

Polynuclear Aromatics

Phenanthrene	EPA 625
	EPA 8270C
	EPA 8270D
Pyrene	EPA 625
	EPA 8270C
	EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4,6-Trichlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4-Dichlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4-Dimethylphenol	EPA 625
	EPA 8270C
	EPA 8270D
2,4-Dinitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
2-Chlorophenol	EPA 625
	EPA 8270C
	EPA 8270D

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Priority Pollutant Phenols

2-Methyl-4,6-dinitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
4-Chloro-3-methylphenol	EPA 625
	EPA 8270C
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 625
	EPA 8270C
	EPA 8270D
Cresols, Total	EPA 8270C
	EPA 8270D
Pentachlorophenol	EPA 625
	EPA 8270C
	EPA 8270D
Phenol	EPA 625
	EPA 8270C
	EPA 8270D

Residue

Solids, Total	SM 18-21 2540B (97)
Solids, Total Dissolved	SM 18-21 2540C (97)

Residue

Solids, Total Suspended	SM 18-21 2540D (97)

Semi-Volatile Organics

1,2-Dichlorobenzene, Semi-volatile	EPA 8270C
	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270C
	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270C
	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Benzyl alcohol	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260B
1,2,4-Trimethylbenzene	EPA 8260B
1,2-Dichlorobenzene	EPA 624
	EPA 8260B
1,3,5-Trimethylbenzene	EPA 8260B
1,3-Dichlorobenzene	EPA 624
	EPA 8260B
1,4-Dichlorobenzene	EPA 624
	EPA 8260B
2-Chlorotoluene	EPA 8260B
4-Chlorotoluene	EPA 8260B
Benzene	EPA 624
	EPA 8260B

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Volatile Aromatics

Bromobenzene	EPA 8260B
Chlorobenzene	EPA 624
	EPA 8260B
Ethyl benzene	EPA 624
	EPA 8260B
Isopropylbenzene	EPA 8260B
Naphthalene, Volatile	EPA 8260B
n-Butylbenzene	EPA 8260B
n-Propylbenzene	EPA 8260B
p-Isopropyltoluene (P-Cymene)	EPA 8260B
sec-Butylbenzene	EPA 8260B
Styrene	EPA 8260B
tert-Butylbenzene	EPA 8260B
Toluene	EPA 624
	EPA 8260B
Total Xylenes	EPA 624
	EPA 8260B

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260B
1,1,1-Trichloroethane	EPA 624
	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 624
	EPA 8260B
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260B
1,1,2-Trichloroethane	EPA 624

Volatile Halocarbons

1,1,2-Trichloroethane	EPA 8260B
1,1-Dichloroethane	EPA 624
	EPA 8260B
1,1 Dichloroethene	EPA 624
	EPA 8260B
1,1-Dichloropropene	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B
1,2-Dibromo-3-chloropropane	EPA 8260B
1,2-Dibromoethane	EPA 8260B
1,2-Dichloroethane	EPA 624
	EPA 8260B
1,2-Dichloropropane	EPA 624
	EPA 8260B
1,3-Dichloropropane	EPA 8260B
2,2-Dichloropropane	EPA 8260B
2-Chloroethylvinyl ether	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 624
	EPA 8260B
Bromoform	EPA 624
	EPA 8260B
Carbon tetrachloride	EPA 624
	EPA 8260B
Chloroethane	EPA 624
	EPA 8260B
Chloroform	EPA 624

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Volatile Halocarbons

Chloroform	EPA 8260B
Chloromethane	EPA 624
	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 624
	EPA 8260B
Dibromochloromethane	EPA 624
	EPA 8260B
Dibromomethane	EPA 8260B
Dichlorodifluoromethane	EPA 624
	EPA 8260B
Hexachlorobutadiene, Volatile	EPA 8260B
Methylene chloride	EPA 624
	EPA 8260B
Tetrachloroethene	EPA 624
	EPA 8260B
trans-1,2-Dichloroethene	EPA 624
	EPA 8260B
trans-1,3-Dichloropropene	EPA 624
	EPA 8260B
Trichloroethene	EPA 624
	EPA 8260B
Trichlorofluoromethane	EPA 8260B
Vinyl chloride	EPA 624
	EPA 8260B

Volatiles Organics

2-Butanone (Methylethyl ketone)	EPA 8260B

Wastewater Metals I

Barium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Cadmium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Chromium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Copper, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Iron, Total	EPA 6010B
Lead, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Magnesium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Manganese, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Nickel, Total	EPA 200.7 Rev. 4.4
	EPA 6010B

Wastewater Metals II

Aluminum, Total	EPA 200.7 Rev. 4.4

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER

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Issued April 01, 2013

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Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. ROBERT Q. BRADLEY
YORK ANALYTICAL LABORATORIES INC
120 RESEARCH DRIVE
STRATFORD, CT 06615

NY Lab Id No: 10854

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES NON POTABLE WATER
All approved analytes are listed below:

Wastewater Metals II

Aluminum, Total	EPA 6010B
Antimony, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Arsenic, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Beryllium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Chromium VI	EPA 7196A
Mercury, Total	EPA 245.1 Rev. 3.0
	EPA 245.2 Rev. 1974
	EPA 7470A
Selenium, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Vanadium, Total	EPA 200.7 Rev. 4.4
	EPA 6010B
Zinc, Total	EPA 200.7 Rev. 4.4
	EPA 6010B

Wastewater Metals III

Molybdenum, Total	EPA 200.7 Rev. 4.4
	EPA 200.8 Rev. 5.4
	EPA 6010B
Thallium, Total	EPA 200.7 Rev. 4.4

Wastewater Metals III

Thallium, Total	EPA 200.8 Rev. 5.4
	EPA 6010B

Wastewater Miscellaneous

Cyanide, Total	SM 18-21 4500-CN E (99)
Oil and Grease Total Recoverable (HEM	EPA 1664A
Organic Carbon, Total	SM 18-21 5310C (00)
Phenols	EPA 420.1 Rev. 1978
Surfactant (MBAS)	SM 18-21 5540C (00)

Sample Preparation Methods

EPA 3005A
EPA 3010A
EPA 3020A
EPA 3510C
EPA 5030B
SM 18-20 4500-CN C
SM 18-21 4500-N Org B or C (9
SM 18-21 4500-P b.5

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Acrylates

Acrylonitrile	EPA 8260B

Amines

2-Nitroaniline	EPA 8270D
3-Nitroaniline	EPA 8270D
4-Chloroaniline	EPA 8270D
4-Nitroaniline	EPA 8270D
Aniline	EPA 8270D
Carbazole	EPA 8270D
Diphenylamine	EPA 8270D

Benzidines

3,3'-Dichlorobenzidine	EPA 8270D

Characteristic Testing

E.P. Toxicity	EPA 1310
Ignitability	EPA 1010A
Reactivity	SW-846 Ch7 Sec. 7.3
TCLP	EPA 1311

Chlorinated Hydrocarbon Pesticides

4,4'-DDD	EPA 8081A
4,4'-DDE	EPA 8081A
4,4'-DDT	EPA 8081A
Aldrin	EPA 8081A
alpha-BHC	EPA 8081A
beta-BHC	EPA 8081A
Chlordane Total	EPA 8081A

Chlorinated Hydrocarbon Pesticides

delta-BHC	EPA 8081A
Dieldrin	EPA 8081A
Endosulfan I	EPA 8081A
Endosulfan II	EPA 8081A
Endosulfan sulfate	EPA 8081A
Endrin	EPA 8081A
Endrin aldehyde	EPA 8081A
Heptachlor	EPA 8081A
Heptachlor epoxide	EPA 8081A
Lindane	EPA 8081A
Methoxychlor	EPA 8081A
Toxaphene	EPA 8081A

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	EPA 8270C
	EPA 8270D
2-Chloronaphthalene	EPA 8270C
	EPA 8270D
Hexachlorobenzene	EPA 8270C
	EPA 8270D
Hexachlorobutadiene	EPA 8270C
	EPA 8270D
Hexachlorocyclopentadiene	EPA 8270C
	EPA 8270D
Hexachloroethane	EPA 8270C
	EPA 8270D

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Chlorophenoxy Acid Pesticides

2,4,5-T	EPA 8151A
2,4,5-TP (Silvex)	EPA 8151A
2,4-D	EPA 8151A
Dicamba	EPA 8151A

Haloethers

4-Bromophenylphenyl ether	EPA 8270C
	EPA 8270D
4-Chlorophenylphenyl ether	EPA 8270C
	EPA 8270D
Bis(2-chloroethoxy)methane	EPA 8270C
	EPA 8270D
Bis(2-chloroethyl)ether	EPA 8270D
Bis(2-chloroisopropyl) ether	EPA 8270C
	EPA 8270D

Metals I

Barium, Total	EPA 6010B
	EPA 6020
Cadmium, Total	EPA 6010B
	EPA 6020
Calcium, Total	EPA 6010B
Chromium, Total	EPA 6010B
	EPA 6020
Copper, Total	EPA 6010B
	EPA 6020
Iron, Total	EPA 6010B

Metals I

Lead, Total	EPA 6010B
	EPA 6020
Magnesium, Total	EPA 6010B
Manganese, Total	EPA 6010B
	EPA 6020
Nickel, Total	EPA 6010B
	EPA 6020
Potassium, Total	EPA 6010B
Silver, Total	EPA 6010B
	EPA 6020
Sodium, Total	EPA 6010B

Metals II

Aluminum, Total	EPA 6010B
	EPA 6020
Antimony, Total	EPA 6010B
	EPA 6020
Arsenic, Total	EPA 6010B
	EPA 6020
Beryllium, Total	EPA 6010B
	EPA 6020
Chromium VI	EPA 7196A
Mercury, Total	EPA 7471A
Selenium, Total	EPA 6010B
	EPA 6020
Vanadium, Total	EPA 6010B

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Metals II	
Vanadium, Total	EPA 6020
Zinc, Total	EPA 6010B
	EPA 6020
Metals III	
Cobalt, Total	EPA 6010B
	EPA 6020
Molybdenum, Total	EPA 6010B
	EPA 6020
Thallium, Total	EPA 6010B
	EPA 6020
Tin, Total	EPA 6010B
Miscellaneous	
Extractable Organic Halides	EPA 9023
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270C
	EPA 8270D
2,6-Dinitrotoluene	EPA 8270C
	EPA 8270D
Isophorone	EPA 8270C
	EPA 8270D
Nitrobenzene	EPA 8270C
	EPA 8270D
Pyridine	EPA 8270D
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270D
N-Nitrosodi-n-propylamine	EPA 8270C
	EPA 8270D
N-Nitrosodiphenylamine	EPA 8270D
Petroleum Hydrocarbons	
Diesel Range Organics	EPA 8015B
Gasoline Range Organics	EPA 8260B
Phthalate Esters	
Benzyl butyl phthalate	EPA 8270C
	EPA 8270D
Bis(2-ethylhexyl) phthalate	EPA 8270C
	EPA 8270D
Diethyl phthalate	EPA 8270C
	EPA 8270D
Dimethyl phthalate	EPA 8270C
	EPA 8270D
Di-n-butyl phthalate	EPA 8270C
	EPA 8270D
Di-n-octyl phthalate	EPA 8270C
	EPA 8270D
Polychlorinated Biphenyls	
PCB-1016	EPA 8082
PCB-1221	EPA 8082
PCB-1232	EPA 8082

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Polychlorinated Biphenyls

PCB-1242	EPA 8082
PCB-1248	EPA 8082
PCB-1254	EPA 8082
PCB-1260	EPA 8082

Polynuclear Aromatic Hydrocarbons

Acenaphthene	EPA 8270C
	EPA 8270D
Acenaphthylene	EPA 8270C
	EPA 8270D
Anthracene	EPA 8270C
	EPA 8270D
Benzo(a)anthracene	EPA 8270C
	EPA 8270D
Benzo(a)pyrene	EPA 8270C
	EPA 8270D
Benzo(b)fluoranthene	EPA 8270C
	EPA 8270D
Benzo(ghi)perylene	EPA 8270C
	EPA 8270D
Chrysene	EPA 8270C
	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270C
	EPA 8270D
Fluoranthene	EPA 8270C
	EPA 8270D

Polynuclear Aromatic Hydrocarbons

Fluorene	EPA 8270C
	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270C
	EPA 8270D
Naphthalene	EPA 8270C
	EPA 8270D
Phenanthrene	EPA 8270C
	EPA 8270D
Pyrene	EPA 8270C
	EPA 8270D

Priority Pollutant Phenols

2,4,5-Trichlorophenol	EPA 8270D
2,4,6-Trichlorophenol	EPA 8270C
	EPA 8270D
2,4-Dichlorophenol	EPA 8270C
	EPA 8270D
2,4-Dimethylphenol	EPA 8270C
	EPA 8270D
2,4-Dinitrophenol	EPA 8270C
	EPA 8270D
2-Chlorophenol	EPA 8270C
	EPA 8270D
2-Methyl-4,6-dinitrophenol	EPA 8270C
	EPA 8270D
2-Methylphenol	EPA 8270C

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Priority Pollutant Phenols

2-Methylphenol	EPA 8270D
2-Nitrophenol	EPA 8270C
	EPA 8270D
4-Chloro-3-methylphenol	EPA 8270C
	EPA 8270D
4-Methylphenol	EPA 8270D
4-Nitrophenol	EPA 8270C
	EPA 8270D
Pentachlorophenol	EPA 8270C
	EPA 8270D
Phenol	EPA 8270C
	EPA 8270D

Semi-Volatile Organics

1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
2-Methylnaphthalene	EPA 8270D
Benzyl alcohol	EPA 8270D
Dibenzofuran	EPA 8270D

Volatile Aromatics

1,2,4-Trichlorobenzene, Volatile	EPA 8260B
1,2,4-Trimethylbenzene	EPA 8260B
1,2-Dichlorobenzene	EPA 8260B
1,3,5-Trimethylbenzene	EPA 8260B
1,3-Dichlorobenzene	EPA 8260B

Volatile Aromatics

1,4-Dichlorobenzene	EPA 8260B
2-Chlorotoluene	EPA 8260B
4-Chlorotoluene	EPA 8260B
Benzene	EPA 8260B
Bromobenzene	EPA 8260B
Chlorobenzene	EPA 8260B
Ethyl benzene	EPA 8260B
Isopropylbenzene	EPA 8260B
Naphthalene, Volatile	EPA 8260B
n-Butylbenzene	EPA 8260B
n-Propylbenzene	EPA 8260B
p-Isopropyltoluene (P-Cymene)	EPA 8260B
sec-Butylbenzene	EPA 8260B
Styrene	EPA 8260B
tert-Butylbenzene	EPA 8260B
Toluene	EPA 8260B
Total Xylenes	EPA 8260B

Volatile Halocarbons

1,1,1,2-Tetrachloroethane	EPA 8260B
1,1,1-Trichloroethane	EPA 8260B
1,1,2,2-Tetrachloroethane	EPA 8260B
1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260B
1,1,2-Trichloroethane	EPA 8260B
1,1-Dichloroethane	EPA 8260B
1,1-Dichloroethene	EPA 8260B

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Volatile Halocarbons

1,1-Dichloropropene	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B
1,2-Dibromoethane	EPA 8260B
1,2-Dichloroethane	EPA 8260B
1,2-Dichloropropane	EPA 8260B
1,3-Dichloropropane	EPA 8260B
2,2-Dichloropropane	EPA 8260B
2-Chloroethylvinyl ether	EPA 8260B
Bromochloromethane	EPA 8260B
Bromodichloromethane	EPA 8260B
Bromoform	EPA 8260B
Bromomethane	EPA 8260B
Carbon tetrachloride	EPA 8260B
Chloroethane	EPA 8260B
Chloroform	EPA 8260B
Chloromethane	EPA 8260B
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 8260B
Dibromochloromethane	EPA 8260B
Dibromomethane	EPA 8260B
Dichlorodifluoromethane	EPA 8260B
Hexachlorobutadiene, Volatile	EPA 8260B
Methylene chloride	EPA 8260B
Tetrachloroethene	EPA 8260B
trans-1,2-Dichloroethene	EPA 8260B
trans-1,3-Dichloropropene	EPA 8260B

Volatile Halocarbons

Trichloroethene	EPA 8260B
Trichlorofluoromethane	EPA 8260B
Vinyl chloride	EPA 8260B

Volatile Organics

2-Butanone (Methylethyl ketone)	EPA 8260B
2-Hexanone	EPA 8260B
4-Methyl-2-Pentanone	EPA 8260B
Acetone	EPA 8260B
Carbon Disulfide	EPA 8260B
Cyclohexane	EPA 8260B
Methyl tert-butyl ether	EPA 8260B

Sample Preparation Methods

	EPA 3005A
	EPA 3010A
	EPA 3031
	EPA 3040A
	EPA 3050B
	EPA 3060A
	EPA 3545
	EPA 3550B
	EPA 3580
	EPA 3585
	EPA 5035A-H
	EPA 5035A-L

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