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January 29, 2016

Mr. Hasan Ahmed
Environmental Engineer
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 2
47-40 21st Street, Long Island City, NY 11101

**Re: Results of Groundwater Sampling
First Quarterly Post-IRM Groundwater Sampling Event
Public School 315Q (Former Tiffany's Studios Site)
96-18 43rd Avenue, Queens, New York 11368
NYSDEC Order on Consent Number: R2-0789-12-08
Site Number: 241140**

Dear Mr. Ahmed:

This letter report summarizes the results of the sampling of perimeter groundwater monitoring wells at Public School 315Q (P.S. 315Q) (Former Tiffany's Studios Site) located at 96-18 43rd Avenue, Queens, New York (the "Site") (see Figure 1). The legal description of the Site is Block 1613, Lot 17.

The Site consists of an approximately 1.25-acre (approximately 55,000 square foot [sf]) lot that is bounded by 43rd Avenue to the north, 44th Avenue to the south, 97th Place to the east, and a commercial building and a vacant commercial building to the west (see Figure 2). The Site is improved with a five-story school building with a partially buried basement, which encompasses the entire Site footprint. The basement consists of a gymnasium, a cafeteria, and a library. Floors one through five consist of offices, a classroom, janitorial closets, and restrooms.

The groundwater sampling was performed in accordance with the New York State Department of Environmental Conservation (NYSDEC) approved Site Management Plan (SMP) dated September 2015. The SMP was approved in a letter from NYSDEC dated September 8, 2015.

The purpose of this letter report is to provide a brief discussion of the field work and first quarter groundwater sampling results.

Field Activities

During construction of the new school building, monitoring wells TRC-GW1, TRC-GW2, TRC-GW3, and TRC-GW13 were destroyed. As a result, monitoring wells TRC-GW-1R, TRC-GW-2R, TRC-GW3R, and TRC-GW-13R were installed as a replacement. The replacement monitoring wells were installed in close proximity to the original locations and generally consistent with original well construction.

Geophysical Survey

A geophysical survey was performed on September 19, 2015 by Nova Geophysical Services of Douglaston, New York to verify that the proposed monitoring well locations were clear of subsurface structures and utilities. The geophysical survey equipment included a Noggin 250 MHz ground penetrating radar shielded antenna and DYNATEL multi-frequency HD detector. The well locations were established in areas that did not conflict with subsurface structures or utilities. A copy of the geophysical survey report is presented as *Attachment 1*.

Monitoring Well Installation

TRC retained Zebra Environmental Services to perform drilling and monitoring well installation services. Installation of the four replacement monitoring wells (TRC-GW-1R, TRC-GW-2R, TRC-GW3R, and TRC-GW-13R) was performed on Saturday, September 19, 2015. Zebra utilized direct drive equipment (i.e., Geoprobe) with 3.75” rods to advance each monitoring well borehole to its respective terminal depth. Monitoring wells were constructed with 2-inch diameter polyvinyl chloride (PVC) casing with 0.01 inch slot screen.

Monitoring well TRC-GW-11, which was not destroyed during construction activities, was installed in December 2012. Monitoring well construction logs are provided in *Attachment 2*.

Monitoring Well Development and Purge Water Disposal

Monitoring well development was performed by TRC and Zebra on Sunday, September 20, 2015. After installation, each monitoring well was developed using disposable tubing with a submersible pump until the turbidity goals were achieved (<50 nephelometric turbidity units [NTUs]). Conductivity, pH, temperature, and dissolved oxygen were also monitored using a Horiba™ water quality meter during development. Development water was containerized in 55-gallon drums. Two drums of purge water were generated during monitoring well development and were disposed on September 20, 2015 in accordance with applicable regulations. Waste disposal manifests are provided in *Attachment 3*.

Groundwater Sampling

TRC returned to the Site on Sunday, September 27, 2015 to perform quarterly low-flow sampling of the four re-installed monitoring wells (TRC-GW1R, TRC-GW2R, TRC-GW3R and TRC-GW-13R) and existing monitoring well TRC-GW11.

A “head space” organic vapor reading was measured in each well using a PID and each well was gauged with an oil/water interface probe. Conductivity, turbidity, dissolved oxygen, pH, temperature, and turbidity were monitored using a Horiba™ U-52 water quality meter equipped with a flow-through chamber during the well purging. Groundwater sampling was performed in accordance with United States Environmental Protection Agency’s (USEPA) “Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells”, January 19, 2010 revision. Data was recorded in the field logbook and on low-flow sampling forms. Once groundwater conditions stabilized and groundwater levels recovered, the samples were collected. There were no visual or olfactory indications of contamination identified in the groundwater samples collected. Groundwater sampling logs are provided in *Attachment 4*.



Groundwater samples, including one field duplicate sample and one equipment blank sample, were collected and containerized in accordance with NYSDEC/USEPA protocols and submitted to the laboratory for analysis of Target Compound List Volatile Organic Compounds (TCL VOCs), Target Compound List Semivolatile Organic Compounds (TCL SVOCs), and Target Analyte List (TAL) metals (less aluminum, calcium, iron, magnesium, potassium, and sodium) (unfiltered and laboratory filtered). A laboratory-prepared trip blank was also analyzed for TCL VOCs. Each container was properly labeled, preserved, and placed in a cooler for transport via courier to York Analytical Laboratories (York) of Stratford, CT. York is a New York State Department of Health (NYSDOH) Environmental Lab Approval Program (ELAP)-certified analytical laboratory. Standard chain-of-custody procedures were followed.

Groundwater Sampling Results

The results of the analyses of groundwater samples were compared to New York State Class GA groundwater standards and guidance values (“Class GA Values”), in the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1, “Ambient Water Quality Standards and Guidance Values.” Where ambient water quality standards do not exist, ambient water quality guidance values were used to evaluate the results.

The results of analysis of the groundwater samples indicate that VOCs were detected at concentrations exceeding the Class GA Values in groundwater samples collected from two monitoring wells; SVOCs were detected at concentrations exceeding the Class GA Values in the groundwater sample collected from TRC-GW1R; and, metals were detected at concentrations exceeding the Class GA Values in samples collected from each of the monitoring wells.

The groundwater sampling results from the first quarter post-IRM and February 2015 sampling events are shown on the attached *Tables 1 through 3*. The September 2015 laboratory analytical report and data usability summary report (DUSR) are presented in *Attachments 5 and 6*, respectively. The results of the groundwater sampling have been submitted to NYSDEC in the required Electronic Data Deliverable (EDD) format.

TRC conducted the second quarterly groundwater sampling event in December 2015, the results of which will be presented in the next Quarterly Groundwater Sampling Report in March 2016.

Please contact me at (212) 221-7822 x133 with any questions or comments.

Sincerely,
TRC Engineers, Inc.



Jenna Raup
Project Manager

cc: A. Lempert, NYCSCA
L. Guterman, NYCSCA
S. Kanaparthi, NYCSCA
M. Wagner, NYCSCA
J. DiPilato, TRC



FIGURES

Figure 1 – Site Location Map

Figure 2 – Post-Interim Remedial Measure Monitoring Well Network

TABLES

Table 1 – Summary of Results of Analysis of Post-IRM Groundwater Samples for Volatile Organic Compounds (VOCs)

Table 2 – Summary of Results of Analysis of Post-IRM Groundwater Samples for Semivolatile Organic Compounds (SVOCs)

Table 3 – Summary of Results of Analysis of Post-IRM Groundwater Samples for Metals (total and dissolved)

ATTACHEMENTS

Attachment 1 – Geophysical Survey

Attachment 2 – Monitoring Well Construction Logs

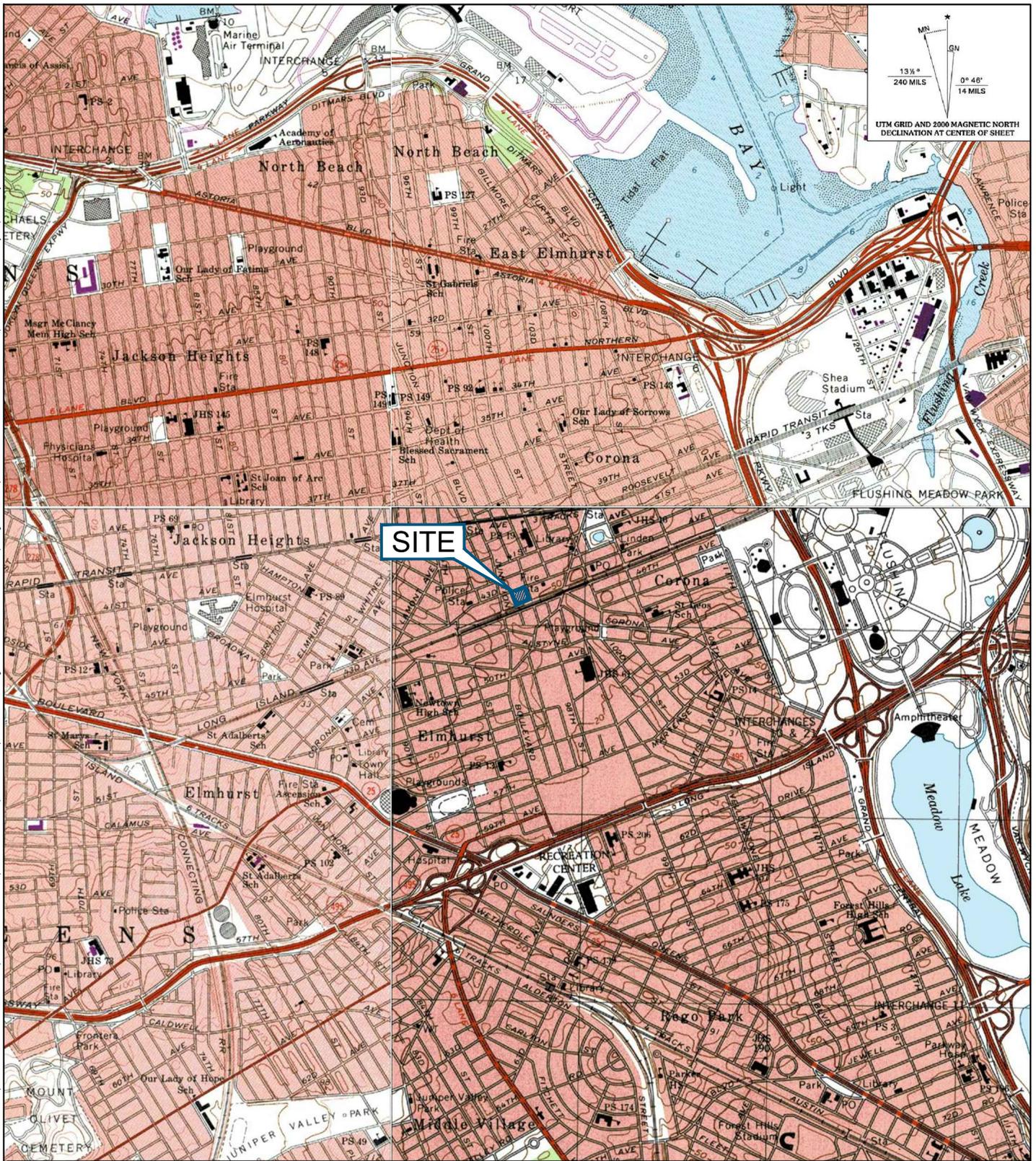
Attachment 3 – Waste Disposal Manifests

Attachment 4 – Groundwater Sampling Logs

Attachment 5 – Laboratory Reports

Attachment 6 – Data Usability Summary Report

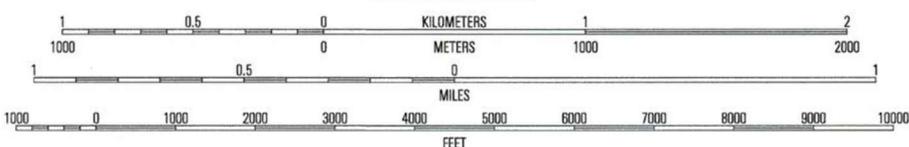
FIGURES



UTM GRID AND 2006 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
 13 1/2° 240 MILS
 0° 46' 14 MILS

SITE

SCALE 1:24 000



JAMAICA, NY
 1994
 NIMA 6265 III NE-SERIES V821

MAP OBTAINED THROUGH USE OF MAPTECH TERRAIN NAVIGATOR PRO SOFTWARE.



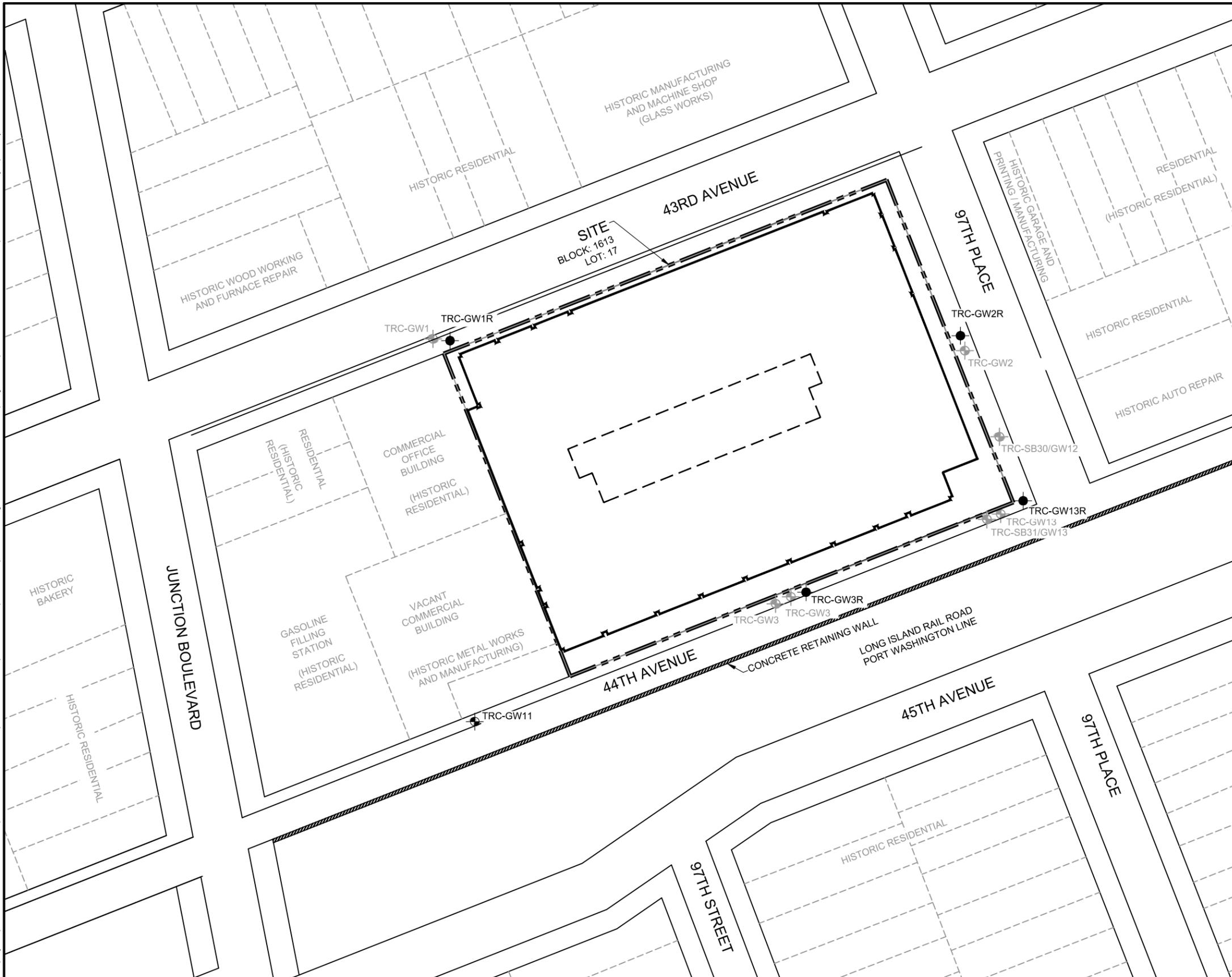
DESIGNED BY: JR
 DRAWN BY: HD
 CHECKED BY: MM
 DATE: JANUARY 2016
 SCALE: AS SHOWN
 PROJECT NUMBER: 198908.0000.0000

PROJECT NAME:
**NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY
 POST-IRM GW SAMPLING REPORT - BLOCK: 1613, LOT: 17
 P.S.315Q - 96-18 43RD AVENUE
 QUEENS, NEW YORK 11368**

DRAWING TITLE:
SITE LOCATION MAP

**FIGURE
 1**

Path Name: \\NTAPA-NYC\Shared\Projects\NYCSCA Contract C000012279\98908 - 315Q Const Insp and Remediation\Post-IRM Work\2015 09 Sept - GWS EvFigure 2 - Well Installation Map.dwg - Date Time: Tue, 12 Jan 2016 - 1:21pm - User Name: jcup - Layout Tab: 11X17



LEGEND:

-  SITE BOUNDARY
-  BUILDING FOOTPRINT
-  LOT BOUNDARY
-  GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (WELL IS EXISTING)
-  TRC-GWX
-  TRC-GWX / TRC-SBX/GWX
-  GROUNDWATER MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (WELL DESTROYED)
-  REPLACEMENT MONITORING WELL LOCATION AND IDENTIFICATION NUMBER (WELL IS EXISTING)
-  TRC-GWXR



GROUNDWATER FLOW DIRECTION



NO.	DESCRIPTION	BY	DATE




1430 BROADWAY, 10TH FLOOR
NEW YORK, NEW YORK 10018
212-221-7822

DESIGNED BY: JR
DRAWN BY: HD / JR
CHECKED BY: MM
DATE: JANUARY 2016
SCALE: AS SHOWN
PROJECT NUMBER: 198908.0000.0000

PROJECT NAME: NEW YORK CITY SCHOOL CONSTRUCTION AUTHORITY BLOCK: 1613, LOT: 17 PROPOSED PS 315Q - 96-18 43RD AVENUE QUEENS, NEW YORK 11368
DRAWING TITLE: POST-INTERIM REMEDIAL MEASURE MONITORING WELL NETWORK

FIGURE 2

TABLES

Table 1
 New York City School Construction Authority
 Summary of Results of Analysis of Post-IRM Groundwater Samples
 Volatile Organic Compounds
 Public School 315Q
 96-18 43rd Avenue, Queens, New York

VOLATILE ORGANIC COMPOUNDS (VOCs)	SAMPLE NAME LAB SAMPLE ID DILUTION FACTOR DATE SAMPLE COLLECTED	TRC-GW1R 15I0999-08 1 9/27/2015		TRC-DUP1 15I0999-06 1 9/27/2015		TRC-GW2R 15I0999-03 1 9/27/2015		TRC-GW3R 15I0999-05 1 9/27/2015		TRC-GW11 15I0999-04 1 9/27/2015		TRC-GW13R 15I0999-01 1 9/27/2015		Equipment Blank 15I0999-02 1 9/27/2015		Trip Blank 15I0999-07 1 9/27/2015	
		Class GA Value (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)								
1,1,1,2-Tetrachloroethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,1,1-Trichloroethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,1,2-Trichloroethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,1,2-Trichloroethane	1	0.50	U	0.50	U	0.50	U	0.50	U								
1,1-Dichloroethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,1-Dichloroethylene	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,2,3-Trichlorobenzene	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,2,3-Trichloropropane	0.04	0.50	U	0.50	U	0.50	U	0.50	U								
1,2,4-Trichlorobenzene	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,2,4-Trimethylbenzene	5	85	U	84	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,2-Dibromo-3-chloropropane	0.04	0.50	U	0.50	U	0.50	U	0.50	U								
1,2-Dibromoethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
1,2-Dichlorobenzene	3	0.50	U	0.50	U	0.50	U	0.50	U								
1,2-Dichloroethane	0.6	0.50	U	0.50	U	0.50	U	0.50	U								
1,2-Dichloropropane	1	0.50	U	0.50	U	0.50	U	0.50	U								
1,3,5-Trimethylbenzene	5	32	U	31	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
1,3-Dichlorobenzene	3	0.50	U	0.50	U	0.50	U	0.50	U								
1,4-Dichlorobenzene	3	0.50	U	0.50	U	0.50	U	0.50	U								
1,4-Dioxane	~		R		R		R		R		R		R		R		R
2-Butanone	50	1.6	U	1.8	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
2-Hexanone	50	0.50	U	0.50	U	0.50	U	0.50	U								
4-Methyl-2-pentanone	~	0.50	U,J	0.50	U,J	0.50	U,J	0.50	U,J								
Acetone	50	2.1	U,J	2.2	U,J	2.0	U,J	2.0	U,J	2.0	U,J	2.0	U,J	2.4	J	2.0	U,J
Acrolein	5	0.50	U,J	0.50	U,J	0.50	U,J	0.50	U,J								
Acrylonitrile	~	0.50	U	0.50	U	0.50	U	0.50	U								
Benzene	1	0.50	U	0.50	U	0.50	U	0.50	U								
Bromochloromethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
Bromodichloromethane	50	0.50	U	0.50	U	0.50	U	0.50	U								
Bromoform	50	0.50	U	0.50	U	0.50	U	0.50	U								
Bromomethane	5		R		R		R		R		R		R		R		R
Carbon disulfide	~	0.50	U	0.50	U	0.50	U	0.50	U								
Carbon tetrachloride	5	0.50	U	0.50	U	0.50	U	0.50	U								
Chlorobenzene	5	0.50	U	0.50	U	0.50	U	0.50	U								
Chloroethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
Chloroform	7	0.50	U	0.50	U	2.4	U	0.50	U	2.5	U	0.46	J	0.50	U	0.50	U
Chloromethane	5	0.50	U,J	0.50	U,J	0.50	U,J	0.50	U,J								
cis-1,2-Dichloroethylene	5	0.50	U	0.50	U	4.2	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
cis-1,3-Dichloropropylene	0.4	0.50	U	0.50	U	0.50	U	0.50	U								
Cyclohexane	~	1.6	U	1.6	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Dibromochloromethane	50	0.50	U	0.50	U	0.50	U	0.50	U								
Dibromomethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
Dichlorodifluoromethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
Ethyl Benzene	5	10	U	10	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Hexachlorobutadiene	0.5	0.50	U	0.50	U	0.50	U	0.50	U								
Isopropylbenzene	5	11	U	9.9	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methyl acetate	~	0.50	U	0.50	U	0.50	U	0.50	U								
Methyl tert-butyl ether (MTBE)	10	0.50	U	0.50	U	0.53	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylcyclohexane	~	1.9	U	1.8	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Methylene chloride	5	2.0	U	2.0	U	2.0	U	2.0	U								
n-Butylbenzene	5	5.5	U	5.4	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
n-Propylbenzene	5	11	U	10	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
o-Xylene	5	66	U	72	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
p- & m- Xylenes	5	80	U	86	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
p-Isopropyltoluene	5	2.6	U	2.5	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
sec-Butylbenzene	5	3.5	U	3.4	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Styrene	5	0.50	U,J	0.50	U,J	0.50	U,J	0.50	U,J								
tert-Butyl alcohol (TBA)	~	1.0	U,J	1.0	U,J	1.0	U,J	1.0	U,J								
tert-Butylbenzene	5	0.78	U	0.74	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
Tetrachloroethylene	5	2.8	U	2.7	U	3.0	U	2.0	U	3.1	U	0.52	U	0.50	U	0.50	U
Toluene	5	0.47	J	0.46	J	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U	0.50	U
trans-1,2-Dichloroethylene	5	0.50	U	0.50	U	0.50	U	0.50	U								
trans-1,3-Dichloropropylene	0.4	0.50	U	0.50	U	0.50	U	0.50	U								
Trichloroethylene	5	1.5	U	1.5	U	120	D	0.50	U	0.42	J	0.44	J	0.50	U	0.50	U
Trichlorofluoromethane	5	0.50	U	0.50	U	0.50	U	0.50	U								
Vinyl Chloride	2	0.50	U	0.50	U	0.50	U	0.50	U								
Xylenes, Total	5 ⁽¹⁾	150	U	160	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U

Notes:
 ~ - No criterion
 µg/L - Microgram per liter
 B - Analyte detected in blank
 D - Sample required dilution
 J - Estimated value
 R - Rejected result
 U - Non-detect
 Light gray shade with black bold text values exceed Class GA Values
⁽¹⁾ There is no standard or guidance value for total xylenes. The Standard for o-xylene, m-xylene, and p-xylene is 5 µg/L.
 TRC-DUP1 is a duplicate of TRC-GW1R

Table 2
 New York City School Construction Authority
 Summary of Results of Analysis of Post-IRM Groundwater Samples
 Semivolatile Organic Compounds
 Public School 315Q
 96-18 43rd Avenue, Queens, New York

Compound	SAMPLE NAME LAB SAMPLE ID DILUTION FACTOR DATE SAMPLE COLLECTED	TRC-GW1R 1510999-08 1 9/27/2015		TRC-DUP1 1510999-06 1 9/27/2015		TRC-GW2R 1510999-03 1 9/27/2015		TRC-GW3R 1510999-05 1 9/27/2015		TRC-GW11 1510999-04 1 9/27/2015		TRC-GW13R 1510999-01 1 9/27/2015		Equipment Blank 1510999-02 1 9/27/2015	
		Class GA Value (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)	Result (µg/L)									
1,1'-Biphenyl	5	8.48		8.17		5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
1,2,4,5-Tetrachlorobenzene	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
1,2,4-Trichlorobenzene	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
1,2-Dichlorobenzene	3	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
1,2-Diphenylhydrazine (as Azobenzene)	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
1,3-Dichlorobenzene	3	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
1,4-Dichlorobenzene	3	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2,3,4,6-Tetrachlorophenol	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2,4,5-Trichlorophenol	1	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
2,4,6-Trichlorophenol	1	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
2,4-Dichlorophenol	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2,4-Dimethylphenol	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2,4-Dinitrophenol	10	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2,4-Dinitrotoluene	5	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
2,6-Dinitrotoluene	5	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
2-Chloronaphthalene	10	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2-Chlorophenol	1	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2-Methylnaphthalene	~	48.1		47.3		5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2-Methylphenol	1	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
2-Nitroaniline	5	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
2-Nitrophenol	1	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
3- & 4-Methylphenols	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
3,3'-Dichlorobenzidine	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
3-Nitroaniline	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
4,6-Dinitro-2-methylphenol	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
4-Bromophenyl phenyl ether	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
4-Chloro-3-methylphenol	1	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
4-Chloroaniline	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
4-Chlorophenyl phenyl ether	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
4-Nitroaniline	5	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
4-Nitrophenol	1	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
Acenaphthene	20	0.0541	U,J	1.67	J	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Acenaphthylene	~	0.0541	U,J	0.366	J	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Acetophenone	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Aniline	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Anthracene	50	0.0541	U,J	0.789	J	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Atrazine	~	0.0541	U	0.571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Benzaldehyde	~	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
Benzidine	5	21.6	U,J	22.9	U,J	21.6	U,J	21.1	U,J	21.1	U,J	21.6	U,J	22.2	U,J
Benzo(a)anthracene	0.002	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Benzo(a)pyrene	0.002	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Benzo(b)fluoranthene	0.002	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Benzo(g,h,i)perylene	~	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Benzo(k)fluoranthene	0.002	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Benzoic acid	~	54.1	U,J	57.1	U,J	54.1	U,J	52.6	U,J	52.6	U,J	54.1	U,J	55.6	U,J
Benzyl alcohol	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Benzyl butyl phthalate	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Bis(2-chloroethoxy)methane	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Bis(2-chloroethyl)ether	1	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Bis(2-chloroisopropyl)ether	5	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Bis(2-ethylhexyl)phthalate	5	0.541	U	2.06	J	1.48	J	0.526	U	0.526	U	0.541	U	1.08	U
Caprolactam	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Carbazole	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Chrysene	0.002	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Dibenzo(a,h)anthracene	~	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Dibenzofuran	~	4.68	J	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Diethyl phthalate	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Dimethyl phthalate	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Di-n-butyl phthalate	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Di-n-octyl phthalate	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Fluoranthene	50	0.0649	U	0.0686	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Fluorene	50	0.0541	U,J	3.52	J	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Hexachlorobenzene	0.04	0.0216	U	0.0229	U	0.0216	U	0.0211	U	0.0211	U	0.0216	U	0.0222	U
Hexachlorobutadiene	0.5	0.541	U	0.571	U	0.541	U	0.526	U	0.526	U	0.541	U	0.556	U
Hexachlorocyclopentadiene	5	5.41	U,J	5.71	U,J	5.41	U,J	5.26	U,J	5.26	U,J	5.41	U,J	5.56	U,J
Hexachloroethane	5	0.541	U	0.571	U	0.541	U	0.526	U	0.526	U	0.541	U	0.556	U
Indeno(1,2,3-cd)pyrene	0.002	0.0541	U	0.0571	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Isophorone	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Naphthalene	10	11.3		10.6		0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Nitrobenzene	0.4	0.270	U,J	0.286	U,J	0.270	U,J	0.263	U,J	0.263	U,J	0.270	U,J	0.278	U,J
N-Nitrosodimethylamine	~	0.541	U,J	0.571	U,J	0.541	U,J	0.526	U,J	0.526	U,J	0.541	U,J	0.556	U,J
N-nitroso-di-n-propylamine	~	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
N-Nitrosodiphenylamine	50	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Pentachlorophenol	1	0.270	U	0.286	U	0.270	U	0.263	U	0.263	U	0.270	U	0.278	U
Phenanthrene	50	5.37	U	4.91	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U
Phenol	1	5.41	U	5.71	U	5.41	U	5.26	U	5.26	U	5.41	U	5.56	U
Pyrene	50	0.205	U	0.160	U	0.0541	U	0.0526	U	0.0526	U	0.0541	U	0.0556	U

Notes:

Table 3
 New York City School Construction Authority
 Summary of Results of Analysis of Post-IRM Groundwater Samples
 Metals (Unfiltered and Filtered)
 Public School 315Q
 96-18 43rd Avenue, Queens, New York

SAMPLE NAME LAB SAMPLE ID DILUTION FACTOR DATE SAMPLE COLLECTED	TRC-GW1R (Unfiltered) 1510999-08 1	TRC-GW1R (Filtered) 1510999-08 1	TRC-DUP1 (Unfiltered) 1510999-06 1	TRC-DUP1 (Filtered) 1510999-06 1	TRC-GW2R (Unfiltered) 1510999-03 1	TRC-GW2R (Filtered) 1510999-03 1	TRC-GW3R (Unfiltered) 1510999-05 1	TRC-GW3R (Filtered) 1510999-05 1	TRC-GW11 (Unfiltered) 1510999-04 1	TRC-GW11 (Filtered) 1510999-04 1	TRC-GW13R (Unfiltered) 1510999-01 1	TRC-GW13R (Filtered) 1510999-01 1	Equipment Blank (Unfiltered) 1510999-02 1	Equipment Blank (Filtered) 1510999-02 1
	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015	9/27/2015
Class GA Value (µg/L)	Result (µg/L)		Result (µg/L)		Result (µg/L)									
Antimony	3	6 U	6 U,J	6 U	6 U,J	6 U,J	6 U	6 U,J	6 U	6 U,J	6 U	6 U,J	6 U	6 U,J
Arsenic	25	6	4 U,J	9	4 U,J	4 U	4 U,J	21	4 U	4 U,J	4 U	5 J	4 U	4 U,J
Barium	1000	574	372 J	562	417 J	81	58 J	61	38 J	221	215 J	110	96 J	11 U
Beryllium	3	1 U	1 U,J	1 U	1 U	1 U,J								
Cadmium	5	3 U	3 U,J	3 U	3 U	3 U,J								
Chromium	50	23	6 U,J	15	8 J	11	6 U,J	11	6 U,J	6 U	6 U,J	10	6 U,J	6 U
Cobalt	~	10	6 J	9	6 J	10	7 J	9	8 J	6 U	6 U,J	9	7 J	6 U
Copper	200	21	6 J	18	14 J	7	3 J	1,190	799 J	78	68 J	25	9 J	3 U
Lead	25	3 U	3 U,J	3 U	3 U,J	3 U	3 U,J	39	3 U,J	3 U	3 U,J	3 U	3 U,J	3 U,J
Manganese	300	6,160	6,430 J	6,170	6,200 J	4,340	4,310 J	8,160	8,650 J	2,360	2,440 J	2,790	2,850 J	6 U
Nickel	100	18 J	9 J	14 J	10 J	39 J	33 J	23 J	19 J	21 J	20 J	17 J	10 J	6 U,J
Selenium	10	11 U,J	11 U,J	13 J	11 U,J	11 U,J								
Silver	50	6 U	6 U,J	6 U	6 U,J	6 U,J								
Thallium	~	6 U	6 U,J	6 U	6 U,J	6 U,J								
Vanadium	~	14	11 U,J	11 U	11 U,J	11 U	11 U,J	11 U,J						
Zinc	2000	49 H	29 J	37 H	20 J	466 H	459 J	177 H	182 J	190 H	217 J	34 H	35 J	17 H
Mercury	0.7	0.2 U	0.2 U,J	0.2 U	0.2 U,J	0.2 U,J								

Notes:
 ~ - No criterion
 µg/L - Microgram per liter
 B - Analyte detected in blank
 H - Estimated value biased high
 J - Estimated value
 U - Non-detect
 Light gray shade with black bold text values exceed Class GA Values
 TRC-DUP1 is a duplicate of TRC-GW1R