Consolidated Edison Company
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August 24, 2018

Mr. William Ottaway
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, New York 12233-1011

RE: Consolidated Edison Company of New York, Inc.
June 2018 Groundwater Monitoring Report
White Plains Former Manufactured Gas Plant Site
White Plains, New York
NYSDEC Site #V00438-3

Dear Mr. Ottaway:

This Groundwater Monitoring Report (GMR) summarizes the June 2018 semi-annual groundwater sampling activities, performed in support of the New York State Department of Environmental Conservation (NYSDEC) approved March 2011 Site Management Plan (SMP) for the White Plains Former Manufactured Gas Plant (MGP) Site Operable Unit Nos. 1 and 2 located in White Plains, New York (the Site). A Site Location Map is included as Figure 1 and a Monitoring Well Location Map is included as Figure 2.

This GMR documents the semi-annual groundwater sampling activities performed from June 4 through 8, 2018. Descriptions of groundwater sampling activities and discussions of sampling results are provided below.

SEMI-ANNUAL GROUNDWATER SAMPLING

Groundwater sampling was conducted in accordance with the January 19, 2010 *USEPA Region 1 Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells*. Groundwater samples were collected from nineteen (19) monitoring wells (MW-6 through MW-10, MW-11A, MW-11B, MW-11C, MW-12A, MW-12B, MW-13 through MW-20, and MW-101). A groundwater sample was not collected from monitoring well MW-12C due to the presence of dense non-aqueous phase liquid (DNAPL) during gauging. DNAPL recovery activities were conducted at MW-12C and are summarized below.

Prior to sampling, each well was purged utilizing low-flow purging and sampling techniques in accordance with the aforementioned USEPA protocol. Purging continued until stabilization of water quality parameters (including temperature, conductivity, pH, dissolved oxygen, oxidation-reduction potential, and turbidity) was achieved to allow for the collection of a representative groundwater sample. Water quality parameters were recorded

approximately every five minutes and immediately prior to sample collection. After the water quality parameters stabilized, groundwater samples were collected utilizing a decontaminated monsoon pump and dedicated tubing. Water quality parameter measurements and observations recorded during sampling are documented on the Groundwater Sampling Records provided in Attachment 1.

Groundwater samples were analyzed for Target Compound List (TCL) Volatile Organic Compounds (VOCs) and TCL Semi-Volatile Organic Compounds (SVOCs) in accordance with the SMP. QA/QC procedures were implemented as described in the NYSDEC approved OU-1 RAWP (Parsons, 2007). Laboratory analyses of groundwater samples were conducted by Test America of Edison, New Jersey, a New York State Department of Health Environmental Laboratory Analysis Program (ELAP) approved laboratory certified for analyses using Analytical Services Protocol (ASP). Laboratory analyses were conducted in accordance with USEPA SW-846 methods and standard deliverable format including initial and continuing instrument calibrations, standard compound spikes, surrogate compound spikes, and analysis of other samples (blanks, laboratory control samples, etc.).

Groundwater Level Measurements

Prior to sampling activities, groundwater levels were gauged at the Site's monitoring well locations on June 4, 2018. Recovery wells and peizometers were also gauged on June 4, 2018. An oil/water level interface probe was utilized to measure the depths to the water table and thickness of any non-aqueous phase liquid (NAPL) in the water column if present (accurate to 0.01 foot). Groundwater was encountered in the monitoring wells at elevations ranging from 182.27 (MW-6) to 176.40 (MW-18) feet above Mean Sea Level (MSL). The groundwater levels and corresponding elevations are summarized in Tables 1A and 1B and were used to produce a Site groundwater contour map (Figure 3). The groundwater monitoring data indicates that the groundwater flow on the Site remains consistent with past gauging events and generally flows from northeast to southwest.

DNAPL Recovery Activities

Approximately 1.22 feet of DNAPL was present at the bottom of MW-12C as presented in Table 1B. DNAPL was extracted from monitoring well MW-12C utilizing a dedicated submersible whale pump. Approximately 5 gallons of NAPL/water was removed from monitoring well MW-12C including approximately 0.65 gallons of DNAPL. Purged liquids from MW-12C were containerized within a separate 55-gallon drum for off-site removal and disposal.

Waste Management

Waste fluids were placed in United States Department of Transportation (USDOT) approved drums with closed tops. The drums generated during groundwater sampling were staged in a secure area on the Site as approved by St. John's Church property representatives prior to proper disposal. The drums were transported by Parsons subcontractor, Clean Venture of Elizabeth, New Jersey and disposed of at Clean Earth of South Kearny, New Jersey (a RCRA Part B permitted Transfer, Storage and Disposal Facility (TSDF)).

June 2018 Groundwater Sampling - Field Observations

As described above, measureable amounts of DNAPL were observed at MW-12C during the June 2018 groundwater sampling event (see Table 1B). Additionally, coal tar was observed on the interface probe during the gauging of RW-3. No sheens were noted during purging of any wells sampled during this event. Purge water observations recorded during sampling are documented on the Groundwater Sampling Records provided in Attachment 1.

ANALYTICAL RESULTS

Laboratory analytical results for constituents detected in the groundwater samples are summarized in Table 2. For evaluation purposes, analytical results were compared with Ambient Water Quality Standards and Guidance Values (AWQSGVs) for Class GA groundwater contained in New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series 1.1.1 (TOGS 1.1.1) (NYSDEC, 1998). These standards and guidance values are protective of groundwater quality assuming that groundwater is used as a source of drinking water. That assumption is not applicable to the Site because groundwater is not anticipated to be used as a source of drinking water. Thus, the use of Class GA standards and guidance values for comparison to Site groundwater is conservative. Table 3 presents a summary of total BTEX, total VOC, total PAH, and total SVOC concentrations detected in groundwater samples collected during the June 2018 semi-annual groundwater sampling event, as well as historic sampling events. Analytical results from the groundwater investigation are summarized below.

VOCs

A total of sixteen (16) VOCs were detected at least once in the groundwater samples collected during this semi-annual groundwater sampling event. Of these, nine (9) VOCs (isopropylbenzene, styrene, tert-butyl methyl ether, benzene, ethylbenzene, toluene, xylene (total), 1,2-dichloroethane, and trichloroethylene) were detected at concentrations exceeding their AWQSGVs. 1,2-dichloroethane and trichloroethylene are chlorinated Volatile Organic Compounds (CVOCs) along with four (4) additional detected CVOCs which are not MGP-related compounds and are not associated with operations of the former manufactured gas plant. Isopropylbenzene was detected above its AWQSGV in three (3) monitoring wells (MW-8, MW-11C, and MW-16). Styrene was detected above its AWQSGV in three (3) monitoring wells (MW-11C, MW-14, and MW-16,). Tert-butyl methyl ether was detected above its AWQSGV in two (2) monitoring wells (MW-13 and MW-15). Benzene was detected above its AWQSGV in seven (7) monitoring wells (MW-6, MW-9, MW-14, MW-15, MW-16, MW-18, and MW-101). Ethylbenzene was detected above its AWQSGV in five (5) monitoring wells (MW-11C, MW-14, MW-15, MW-16, and MW-18). Toluene was detected above its AWQSGV in five (5) monitoring wells (MW-9, MW-14, MW-15, MW-16, and MW-18). Total Xylenes was detected above its AWQSGV in seven (7) monitoring wells (MW-8, MW-9, MW-11C, MW-14, MW-15, MW-16, and MW-18).

No VOCs were detected above AWQSGVs in eight (8) monitoring wells (MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-17 MW-19, and MW-20). Groundwater VOC analytical results are summarized in Table 2.

SVOCs

A total of three (3) SVOCs and five (5) PAHs were detected at least once in the groundwater samples collected during the semi-annual groundwater sampling event. Of these, two (2) PAHs (acenaphthene and naphthalene) were detected at concentrations exceeding their AWQSGVs. Acenaphthene was detected above its AWQSGV in one (1) monitoring well (MW-8). Naphthalene was detected above its AWQSGV in seven (7) monitoring wells (MW-8, MW-9, MW-11C, MW-14, MW-15, MW-16, and MW-18).

No SVOCs or PAHs were detected above AWQSGVs in twelve (12) monitoring wells (MW-6, MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-13, MW-17, MW-19, MW-20, and MW-101). Groundwater SVOC analytical results are summarized in Table 2.

DATA VALIDATION AND REPORTING

Data validation was performed in accordance with the USEPA Region II standard operating procedures (SOPs) for organic and inorganic data review. These validation guidelines are regional modifications to the National Functional Guidelines for organic and inorganic data review (USEPA, 1999 and 2004). Validation included the following:

- Verification of 100% of all quality control (QC) sample results (both qualitative and quantitative);
- Verification of the identification of 100% of all sample results (both positive hits and non-detects);
- Recalculation of 10% of all investigative sample results; and
- Preparation of a Data Usability Summary Report (DUSR).

The quality of the data has been assessed and is documented in the DUSR provided in Attachment 2. In summary, the results of the data usability assessment show that the collected analytical data for groundwater are valid for the intended purposes of the semi-annual groundwater sampling.

CONCLUSIONS AND RECOMMENDATIONS

Total BTEX and total VOC concentrations are within previously detected ranges in each monitoring well with the exception of MW-8 and MW-15 where total BTEX and VOC concentrations were higher than historic sampling events. BTEX concentrations were at non-detect levels in monitoring wells MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-13, MW-17, MW-19 and MW-20 during the June 2018 groundwater sampling event.

Total VOC concentrations in monitoring wells MW-7, MW-10, MW-11A, MW-11B, MW-17, MW-19, and MW-20 have frequently been below detection limits during the various groundwater sampling events. Total VOC concentrations have generally decreased over time in monitoring wells MW-9, MW-11C, MW-12B, and MW-101.

Total PAH and SVOC concentrations are within previously detected ranges in each monitoring well with the exception of MW-15 where total PAH and SVOC concentrations

were higher than historic sampling events. Total SVOC and total PAH concentrations were at non-detect levels in monitoring wells MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-13, MW-17, MW-19, and MW-20 during the June 2018 groundwater sampling event. Total SVOC and total PAH concentrations in monitoring wells MW-6, MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-12B, MW-13, MW-17, MW-19, and MW-20 have frequently been below detection limits during the various groundwater sampling events. DNAPL continues to be observed within the sump of monitoring well MW-12C. Based on field observations during the June 2018 NAPL recovery at MW-12C, it is recommended that if NAPL is present in the well, it will continue to be removed via pumping during each sampling event.

Based on the results of this groundwater sampling event, the previously identified layer of clean groundwater beneath the St. John's Church property portion of the Site continues to be present. The upper aquifer analytical results from the June 2018 groundwater sampling event are supportive of the selected remedy for the St. John's Church property portion of the Site as outlined in the approved RAWP.

If you have any questions or comments concerning the results documented herein, please contact me at (718) 204-4205.

Sincerely,

Y. Skorobogatov

Yelena Skorobogatov
Technical Specialist
MGP Remediation
Environment, Health and Safety

Enclosures (figures/tables)
Attachments

cc:

Anthony Perretta, NYSDOH
Dolores Tuohy, Esq., NYSDEC Albany
Edward Moore, NYSDEC, Region 3
David S. Brown, Archdiocese of New York
Kimberlea Shaw Rea, Bosworth, Gray & Fuller
Rev. Msgr. Neil Graham, St. John's Church
Kenneth Kaiser, P.E., BCEE, PMP, Con Edison

TABLES

Table 1A
OU-2 Gauging Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Well ID	Casing Elevation (AMSL)	Depth to Water (feet)	Water Elevation (AMSL)	Depth to NAPL (feet)	Screened Interval (feet)	Depth to Bottom (feet)
MW-2	190.54	No longer exists				
MW-4	194.92	Unable to locate				
MW-5	189.12	No longer exists				
MW-6	187.82	5.55	**182.27**	ND	5 - 15	16.05
MW-7	189.51	8.30	**181.21**	ND	7 - 17	15.55
MW-8	202.08	23.15	**178.93**	ND	20 - 40	39.50
SB-1	189.10	No longer exists				
TB-5	189.50	No longer exists				
RW-1	204.60	25.10	**179.50**	ND	16 - 51	50.40
RW-2	200.05	23.50	**176.55**	ND	18 - 48	44.30
RW-3	203.60	24.70	**178.90**	Coal Tar on Probe	20 - 50	51.88
RW-4	200.90	22.20	**178.70**	ND	17 - 57	52.75
RW-5	200.04	21.80	**178.24**	ND	14 - 54	50.90
RW-6	203.55	24.98	**178.57**	ND	19 - 49	48.70
RW-7	203.97	25.01	**178.96**	ND	17.5 - 47.5	46.00
PZ-1	203.63	25.45	**178.18**	NA	15 - 35	36.60
PZ-2	203.59	25.73	**177.86**	NA	15 - 35	35.50
PZ-3	200.21	24.80	**175.41**	NA	15 - 35	33.90
PZ-4	200.14	24.62	**175.52**	NA	15 - 35	34.65
MW-101	203.07	25.15	**177.92**	ND	NA	59.8

AMSL = Above Mean Sea Level
Gauging conducted on June 4, 2018

Table 1B
OU-1 Monitoring Well Gauging Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Well ID	Casing Elevation (AMSL)	Depth to Water (feet)	Water Elevation (AMSL)	Depth to NAPL (feet)	NAPL Thickness (feet)	Screened Interval (feet)	Depth to Bottom (feet)
MW-10	198.45	20.66	**177.79**	ND	NA	40-50	49.85
MW-11A	201.82	24.02	**177.80**	ND	NA	22-27	26.75
MW-11B	201.97	24.22	**177.75**	ND	NA	31-36	36.2
MW-11C	201.74	24.05	**177.69**	ND	NA	40-50	49.65
MW-12A	205.13	27.37	**177.76**	ND	NA	26-31	30.85
MW-12B	204.96	27.35	**177.61**	ND	NA	40-45	44.50
MW-12C	205.14	27.60	**177.54**	~59.18*	~1.22*	50-60	60.4*
MW-13	204.84	27.40	**177.44**	ND	NA	55-65	65.31
MW-14	205.00	27.75	**177.25**	ND	NA	55-65	64.30
MW-15	207.60	27.50	**180.10**	ND	NA	57-67	66.80
MW-16	205.96	28.58	**177.38**	ND	NA	55-65	64.50
MW-17	204.95	27.50	**177.45**	ND	NA	40-50	49.90
MW-9	207.34	30.15	**177.19**	ND	NA	52-62	61.70
MW-18	208.9	32.50	**176.40**	ND	NA	60-70	71.3
MW-19	188.24	8.03	**180.21**	ND	NA	5-20	20.15
MW-20	191.58	14.20	**177.38**	ND	NA	5-20	20.1

AMSL = Above Mean Sea Level

Gauging conducted on June 4, 2018

(1) The Non-Aqueous Phase Liquid noted in MW-12C was located at the bottom of the well (i.e., DNAPL).

(2) DNAPL depth and thickness in MW-12C are approximate and based on field observations due to conduction interference with DNAPL on the bottom of the well.

* = Due to nature of DNAPL, downhole measurements required approximation

Table 2
Summary of Grondwater Analytical Data
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		NYSDEC Class GA Groundwater Standards/Guidance Values [1]	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-6 MW-6-20180605 460-157990-9 TALED 4601579901 WATER 6/5/2018 9:30 6/26/2018	MW-7 MW-7-20180604 460-157990-5 TALED 4601579901 WATER 6/4/2018 13:50 6/26/2018	MW-8 MW-8-20180606 460-157990-15 TALED 4601579901 WATER 6/6/2018 9:35 6/26/2018	MW-9 MW-9-20180605 460-157990-6 TALED 4601579901 WATER 6/5/2018 7:20 6/26/2018	MW-10 MW-10-20180605 460-157990-7 TALED 4601579901 WATER 6/5/2018 8:15 6/26/2018	MW-11A MW-11A-20180604 460-157990-2 TALED 4601579901 WATER 6/4/2018 10:05 6/26/2018
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	ug/l	5.1	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	60 (G)	ug/l	ND	ND	ND	ND	ND	ND
110-82-7	Cyclohexane	NS	ug/l	ND	ND	1.3	0.51 J	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	2.1	ND	20	1.2	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	ND	ND	13	0.64 J	ND	ND
100-42-5	Styrene	5	ug/l	ND	ND	ND	2.6	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND	ND	1.9	ND	ND
	BTEX								
71-43-2	Benzene	1	ug/l	7.4	ND	ND	1.1	ND	ND
100-41-4	Ethylbenzene	5	ug/l	3.7	ND	2.8	3.2	ND	ND
108-88-3	Toluene	5	ug/l	0.6 J	ND	1	21	ND	ND
XYLENES	Xylenes, Total	5	ug/l	3.5	ND	7	13	ND	ND
	CVOCs								
67-66-3	Chloroform	7	ug/l	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	1.3	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	0.52 J	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	ND	ND	ND	ND	0.29 J
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND	ND	ND	ND	ND
	Total VOCs			22.4	ND	45.1	46.97	ND	0.29
	SEMIVOLATILES								
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND	ND	2.6 J	ND	ND
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	ug/l	ND	ND	ND	ND	ND	ND
	PAHs								
83-32-9	Acenaphthene	20 (G)	ug/l	3.5 J	ND	22 J	4.3 J	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	ND	ND	ND	14	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND	64 J	ND	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	5.7 J	ND	1300	20	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	ND	1.3 J	ND	ND
	Total PAHs			9.2	ND	1386	39.6	ND	ND
	Total SVOCs			9.2	ND	1386	42.2	ND	ND

Notes:

	Indicates concentration exceeds standard or guidance value.
(G)	Indicates guidance value.
NS	No standard or guidance value available.
ND	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/l	Micrograms per liter

Table 2
Summary of Grondwater Analytical Data
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		NYSDEC Class GA Groundwater Standards/Guidance Values [1]	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated: UNITS:	MW-11B MW-11B-20180604 460-157990-1 TALED 4601579901 WATER 6/4/2018 9:10 6/26/2018	Dup of MW-11B-20180604 MW-11B MW-111B-20180604 460-157990-8 TALED 4601579901 WATER 6/4/2018 14:30 6/26/2018	MW-11C MW-11C-20180606 460-157990-18 TALED 4601579901 WATER 6/6/2018 13:45 6/26/2018	MW-12A MW-12A-20180605 460-157990-11 TALED 4601579901 WATER 6/5/2018 12:15 6/26/2018	MW-12B MW-12B-20180605 460-157990-12 TALED 4601579901 WATER 6/5/2018 13:15 6/26/2018	MW-13 MW-13-20180606 460-157990-13 TALED 4601579901 WATER 6/6/2018 7:20 6/26/2018
CAS NO.	COMPOUND								
	VOLATILES								
67-64-1	Acetone	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	60 (G)	ug/l	ND	ND	ND	ND	ND	ND
110-82-7	Cyclohexane	NS	ug/l	ND	ND	38	ND	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	ND	18	ND	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	ND	ND	54	ND	ND	ND
100-42-5	Styrene	5	ug/l	ND	ND	240	ND	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND	ND	ND	ND	260
	BTEX								
71-43-2	Benzene	1	ug/l	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	ug/l	ND	ND	140	ND	ND	ND
108-88-3	Toluene	5	ug/l	ND	ND	ND	ND	ND	ND
XYLENES	Xylenes, Total	5	ug/l	ND	ND	1700	ND	ND	ND
	CVOCs								
67-66-3	Chloroform	7	ug/l	ND	ND	ND	1.9	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	ND	2.8
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	0.29 J	3 J	ND	ND	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND	6.5	ND	ND	ND
	Total VOCs			ND	0.29	2199.5	1.9	ND	262.8
	SEMIVOLATILES								
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND	ND	ND	ND	ND
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	ND	ND
108-95-2	Phenol	1	ug/l	ND	ND	ND	ND	ND	ND
	PAHs								
83-32-9	Acenaphthene	20 (G)	ug/l	ND	ND	ND	ND	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	ND	ND	ND	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND	580 J	ND	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	ND	ND	9400	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
	Total PAHs			ND	ND	9980	ND	ND	ND
	Total SVOCs			ND	ND	9980	ND	ND	ND

Notes:

	Indicates concentration exceeds standard or guidance value.
(G)	Indicates guidance value.
NS	No standard or guidance value available.
ND	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/l	Micrograms per liter

Table 2
Summary of Grondwater Analytical Data
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		NYSDEC Class GA Groundwater Standards/Guidance Values [1]	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-14 MW-14-20180608 460-157990-20 TALED 4601579901 WATER 6/8/2018 8:28 6/26/2018	MW-15 MW-15-20180606 460-157990-16 TALED 4601579901 WATER 6/6/2018 12:15 6/26/2018	MW-16 MW-16-20180606 460-157990-14 TALED 4601579901 WATER 6/6/2018 8:20 6/26/2018	MW-17 MW-17-20180604 460-157990-3 TALED 4601579901 WATER 6/4/2018 11:15 6/26/2018	MW-18 MW-18-20180608 460-157990-19 TALED 4601579901 WATER 6/8/2018 8:25 6/26/2018	MW-19 MW-19-20180604 460-157990-4 TALED 4601579901 WATER 6/4/2018 12:55 6/26/2018
CAS NO.	COMPOUND		UNITS:						
	VOLATILES								
67-64-1	Acetone	50 (G)	ug/l	25	ND	ND	ND	ND	ND
75-15-0	Carbon Disulfide	60 (G)	ug/l	ND	0.35 J	ND	ND	ND	ND
110-82-7	Cyclohexane	NS	ug/l	14	4.4	26	ND	4.7	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	3.9 J	2.1	14	ND	4.7	ND
108-87-2	Methylcyclohexane	NS	ug/l	18	4.4	32	ND	3.8	ND
100-42-5	Styrene	5	ug/l	390	ND	440	ND	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	33	ND	ND	2	ND
	BTEX								
71-43-2	Benzene	1	ug/l	10	36	280	ND	43	ND
100-41-4	Ethylbenzene	5	ug/l	180	64	240	ND	27	ND
108-88-3	Toluene	5	ug/l	1800	310	1500	ND	34	ND
XYLENES	Xylenes, Total	5	ug/l	1200	250	1700	ND	170	ND
	CVOCs								
67-66-3	Chloroform	7	ug/l	ND	ND	ND	ND	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	1.2	ND	ND	0.72 J	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	ND	0.27 J	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	ND	ND	ND	ND	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND	4.9 J	ND	0.8 J	ND
	Total VOCs			3640.9	705.45	4236.9	ND	290.99	ND
	SEMIVOLATILES								
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND	ND	ND	4.6 J	ND
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	0.98 J	ND
108-95-2	Phenol	1	ug/l	ND	ND	ND	ND	0.73 J	ND
	PAHs								
83-32-9	Acenaphthene	20 (G)	ug/l	ND	ND	ND	ND	5.1 J	ND
208-96-8	Acenaphthylene	NS	ug/l	210 J	24 J	53 J	ND	19	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	300 J	15 J	290 J	ND	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	4300	760	6700	ND	80	ND
85-01-8	Phenanthrene	50 (G)	ug/l	37 J	ND	ND	ND	2.1 J	ND
	Total PAHs			4847	799	7043	ND	106.2	ND
	Total SVOCs			4847	799	7043	ND	112.51	ND

Notes:

	Indicates concentration exceeds standard or guidance value.
(G)	Indicates guidance value.
NS	No standard or guidance value available.
ND	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/l	Micrograms per liter

Table 2
Summary of Grondwater Analytical Data
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		NYSDEC Class GA Groundwater Standards/Guidance Values [1]	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-20 MW-20-20180605 460-157990-10 TALED 4601579901 WATER 6/5/2018 10:45 6/26/2018	MW-101 MW-101-20180606 460-157990-17 TALED 4601579901 WATER 6/6/2018 10:35 6/26/2018
CAS NO.	COMPOUND		UNITS:		
	VOLATILES				
67-64-1	Acetone	50 (G)	ug/l	ND	ND
75-15-0	Carbon Disulfide	60 (G)	ug/l	ND	ND
110-82-7	Cyclohexane	NS	ug/l	ND	4.7
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	0.51 J
108-87-2	Methylcyclohexane	NS	ug/l	ND	1.4
100-42-5	Styrene	5	ug/l	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND
	BTEX				
71-43-2	Benzene	1	ug/l	ND	2.9
100-41-4	Ethylbenzene	5	ug/l	ND	ND
108-88-3	Toluene	5	ug/l	ND	0.4 J
XYLENES	Xylenes, Total	5	ug/l	ND	ND
	CVOCs				
67-66-3	Chloroform	7	ug/l	ND	ND
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	ND	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND
	Total VOCs			ND	9.91
	SEMIVOLATILES				
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND
86-74-8	Carbazole	NS	ug/l	ND	ND
108-95-2	Phenol	1	ug/l	ND	ND
	PAHs				
83-32-9	Acenaphthene	20 (G)	ug/l	ND	20
208-96-8	Acenaphthylene	NS	ug/l	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	ND	1.6 J
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND
	Total PAHs			ND	21.6
	Total SVOCs			ND	21.6

Notes:

	Indicates concentration exceeds standard or guidance value.
(G)	Indicates guidance value.
NS	No standard or guidance value available.
ND	Indicates compound was not detected.
J	Indicates an estimated concentration.
ug/l	Micrograms per liter

Table 3
Summary of Historic Volatile and Semi-Volatile Organic Compound Sample Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Monitoring Well ID	Compounds	Sample Date (Month/Year)																
		7/01	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16	12/16	06/17	12/17	06/18
MW-6	Total BTEX	353.60	NA	ND	ND	ND	ND	ND	9.66	13.80	ND	8.87	13.59	15.70	2.52	8.13	22.08	15.20
	Total VOC	402.10	NA	ND	ND	ND	ND	ND	12.24	15.80	ND	9.86	15.49	17.40	2.52	8.96	38.90	22.40
	Total PAH	1094.34	NA	ND	ND	ND	ND	ND	3.50	ND	ND	ND	ND	9.30	ND	3.30	ND	9.20
	Total SVOC	1129.05	NA	ND	ND	ND	ND	15.40	3.50	2.50	ND	ND	ND	12.70	4.50	3.30	ND	9.20
MW-7	Total BTEX	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	28.69	NA	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total PAH	0.22	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	27.22	NA	ND	ND	ND	ND	ND	2.80	ND	ND	ND	ND	3.60	6.00	321.00	ND	ND
MW-8	Total BTEX	3.40	NA	2.86	2.00	13.50	10.30	1.61	11.10	2.57	11.80	ND	0.50	5.21	8.00	ND	2.80	10.80
	Total VOC	28.93	NA	7.09	2.00	41.48	23.17	8.91	35.50	13.00	39.70	ND	2.90	25.51	31.90	2.30	21.51	45.10
	Total PAH	0.20	NA	ND	40.00	769.90	766.30	416.60	750.10	416.60	566.20	ND	ND	1591.80	1196.20	8.50	1271.00	1386.00
	Total SVOC	26.85	NA	ND	85.70	769.90	766.30	416.60	753.70	416.60	568.90	ND	ND	1598.70	1203.90	9.90	1271.00	1386.00
MW-9	Total BTEX	NA	2305.00	374.00	664.00	172.90	53.40	34.51	36.30	189.10	474.10	7.40	113.70	13.60	720.20	7.90	76.30	38.30
	Total VOC	NA	2987.30	509.64	824.00	383.72	186.27	42.21	44.64	229.00	612.90	14.30	134.80	24.31	875.90	14.25	88.54	46.97
	Total PAH	NA	1275.40	49.80	400.00	189.40	21.20	14.30	27.40	88.30	19.00	ND	57.70	7.60	783.20	2.30	79.80	39.60
	Total SVOC	NA	1287.00	49.80	800.00	189.40	21.20	14.30	27.40	93.80	19.00	ND	63.00	7.60	783.20	2.30	83.90	42.20
MW-10	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.02	ND	ND	ND	0.53	ND	ND	ND
	Total VOC	NA	5.10	0.61	ND	0.62	0.84	ND	2.12	ND	2.82	ND	ND	ND	3.83	ND	ND	ND
	Total PAH	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	4.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.10	ND	ND	ND
MW-11A	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	2.90	ND	ND	ND	ND	ND	2.60	ND	ND	ND	ND	ND	ND	ND	0.32	0.29
	Total PAH	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	2.80	ND	ND
	Total SVOC	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	3.20	ND	2.80	ND	ND
MW-11B	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	2.90	ND	ND	ND	ND	ND	1.30	0.81	ND	ND	ND	ND	ND	ND	0.24	ND
	Total PAH	NA	5.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	5.70	ND	ND	ND	ND	ND	ND	ND	ND	8.40	ND	2.40	ND	1.00	ND	ND
MW-11C	Total BTEX	NA	5711.30	4051.80	3160.00	4751.40	5201.60	2861.55	3835.10	1910.00	2530.00	2332.90	1610.40	2063.20	3562.70	1017.00	1740.00	1840.00
	Total VOC	NA	7294.30	5095.80	3900.00	10668.8	6373.60	3473.15	4630.80	2341.00	3107.50	2852.80	2014.90	2552.90	4291.90	1227.40	2129.50	2199.50
	Total PAH	NA	16130.20	7605.90	6380.00	16139.00	13636.0	11759.90	12821.00	11883.00	9490.00	16382.0	10217.00	34790.9	17088.0	7644.00	11550.00	9980.00
	Total SVOC	NA	16209.9	7664.00	12760.0	16206.0	13712.00	11831.70	12879.0	11943.00	9554.30	16450.0	10271.60	34877.8	17158.10	7679.00	11550.00	9980.00

Table 3
Summary of Historic Volatile and Semi-Volatile Organic Compound Sample Results
White Plains Former MGP Site
Consolidated Edison Company of New York

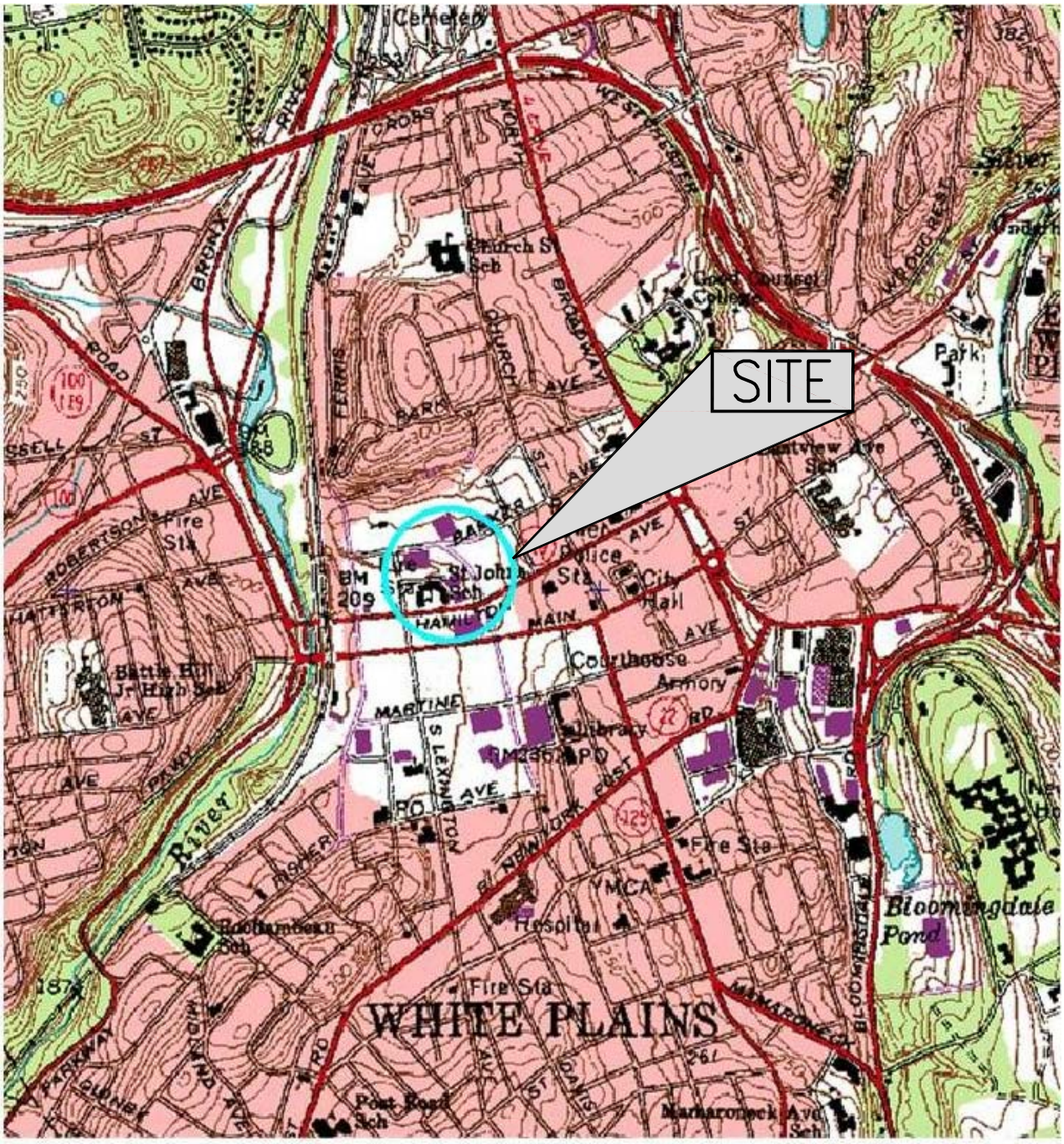
Monitoring Well ID	Compounds	Sample Date (Month/Year)																
		7/01	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16	12/16	06/17	12/17	06/18
MW-12A	Total BTEX	NA	ND	23.20	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.51	1.51	ND	ND
	Total VOC	NA	ND	31.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14.25	7.50	2.86	1.90
	Total PAH	NA	ND	1.90	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.89	ND	ND
	Total SVOC	NA	ND	1.90	ND	ND	ND	ND	2.60	ND	ND	ND	ND	ND	ND	0.89	ND	ND
MW-12B	Total BTEX	NA	2.70	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	43.00	41.34	16.00	16.00	16.00	4.40	7.04	1.00	ND	0.37	ND	ND	ND	0.34	0.47	ND
	Total PAH	NA	5.40	1.60	ND	ND	ND	ND	ND	ND	ND	ND	2.70	ND	ND	ND	ND	ND
	Total SVOC	NA	5.40	1.60	ND	ND	ND	ND	ND	25.50	ND	3.40	2.70	ND	2.70	ND	ND	ND
MW-12C	Total BTEX	NA	826.70	951.50	1171.00	1174.30	3194.40	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total VOC	NA	1269.00	1610.07	1761.00	2918.70	4921.90	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total PAH	NA	3801.70	2307.30	2554.00	3142.50	17986.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Total SVOC	NA	3837.60	2331.70	5178.00	3165.50	18238.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-13	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.97	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	188.50	444.10	340.00	414.40	820.00	353.60	527.81	242.00	325.17	243.00	212.40	232.10	222.40	202.60	192.20	262.80
	Total PAH	NA	2.40	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND
	Total SVOC	NA	5.10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.00	ND	ND
MW-14	Total BTEX	NA	3146.00	3618.60	2990.00	3678.40	5223.00	4240.00	36.30	2557.00	4430.00	3950.00	2642.20	4739.20	5656.40	3505.00	2888.70	3190.00
	Total VOC	NA	4692.90	5689.30	4590.00	9250.60	8196.40	6340.00	44.64	3806.00	6563.10	6079.40	3680.40	5614.57	6629.10	3905.00	3537.90	3640.90
	Total PAH	NA	3321.20	8044.30	2317.00	6312.00	6585.40	6946.00	6963.40	3659.00	4596.40	6395.60	3572.70	12184.00	9219.60	3917.00	5214.00	4847.00
	Total SVOC	NA	3351.30	8099.40	4673.00	6344.00	6636.60	6998.30	7004.00	3686.00	4629.50	6445.20	3597.10	12242.4	9279.10	3951.00	5214.00	4847.00
MW-15	Total BTEX	NA	379.80	366.20	46.00	399.80	163.00	150.30	100.50	ND	327.80	69.74	63.50	109.10	260.20	7.10	35.50	660.00
	Total VOC	NA	600.30	688.89	285.00	1156.30	414.63	321.03	332.27	8.40	507.03	317.80	289.50	240.50	511.23	141.80	171.04	705.45
	Total PAH	NA	612.90	489.20	77.10	481.50	175.20	258.00	114.20	ND	161.40	66.60	95.70	127.30	167.10	13.70	148.70	799.00
	Total SVOC	NA	620.70	492.30	154.20	486.10	175.20	258.00	114.20	2.90	161.40	66.60	95.70	129.70	167.10	13.70	149.80	799.00
MW-16	Total BTEX	NA	2640.00	3810.00	3020.00	1780.00	4910.00	2470.00	3530.00	2590.00	3550.00	4088.20	2843.00	2564.10	6890.00	3150.00	2900.00	3720.00
	Total VOC	NA	3401.70	4850.90	3980.00	4028.70	6146.97	3077.74	4468.70	3272.00	4415.70	5425.27	3759.10	3189.59	8276.60	3963.00	3600.20	4236.90
	Total PAH	NA	8439.70	7160.20	1999.00	186.30	6458.70	5959.10	8852.10	6074.00	5108.80	8407.10	523.90	3824.60	10739.5	6230.00	7429.00	7043.00
	Total SVOC	NA	8503.00	7230.10	4036.00	207.30	6487.40	5703.60	8901.20	6118.00	5142.40	8493.80	527.30	3874.10	10857.0	6268.00	7468.00	7043.00
MW-17	Total BTEX	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	2.40	0.80	ND	ND	ND	1.40	1.50	ND	ND	ND	ND	ND	3.20	0.22	ND	ND
	Total PAH	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

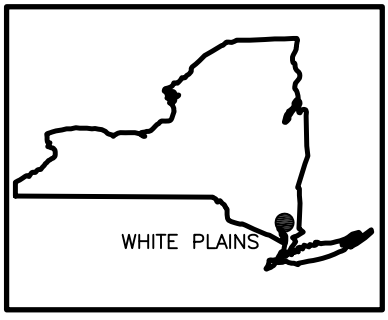
Table 3
Summary of Historic Volatile and Semi-Volatile Organic Compound Sample Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Monitoring Well ID	Compounds	Sample Date (Month/Year)																
		7/01	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16	12/16	06/17	12/17	06/18
MW-18	Total BTEX	NA	NA	37.20	2.60	8.20	30.20	31.11	125.90	29.30	95.80	67.70	52.90	60.80	148.80	36.90	317.00	274.00
	Total VOC	NA	NA	48.09	13.20	31.47	40.09	41.54	143.38	36.30	111.10	79.10	59.70	67.08	166.90	48.24	339.84	290.99
	Total PAH	NA	NA	10.50	ND	6.50	5.90	43.10	204.90	40.30	160.90	51.60	6.10	54.20	146.40	19.80	641.00	106.20
	Total SVOC	NA	NA	10.50	ND	6.50	5.90	43.10	204.90	40.30	160.90	51.60	6.10	54.20	146.40	20.56	646.40	112.51
MW-19	Total BTEX	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	NA	ND	ND	ND	ND	ND	1.20	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total PAH	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	NA	ND	ND	ND	ND	ND	ND	3.30	ND	ND	ND	3.50	4.70	ND	ND	ND
MW-20	Total BTEX	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total VOC	NA	NA	ND	ND	ND	ND	ND	1.40	ND	ND	ND	ND	ND	ND	ND	0.16	ND
	Total PAH	NA	NA	ND	ND	ND	ND	1.61	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Total SVOC	NA	NA	ND	ND	ND	ND	8.91	5.80	5.80	ND	ND	ND	3.70	5.40	ND	ND	ND
MW-101	Total BTEX	NA	NA	428.00	687.00	710.00	139.18	128.80	147.10	61.80	59.70	17.70	12.00	9.20	2.10	5.04	1.10	3.30
	Total VOC	NA	NA	454.00	687.00	1488.00	144.78	133.60	159.61	68.90	66.90	17.70	15.30	9.20	7.10	6.24	2.32	9.91
	Total PAH	NA	NA	283.60	245.00	614.60	85.20	107.20	76.70	85.60	44.50	25.20	27.30	15.70	12.10	20.20	8.30	21.60
	Total SVOC	NA	NA	304.40	490.00	621.40	91.00	113.10	79.70	94.20	47.30	25.20	27.30	15.70	15.10	20.20	8.30	21.60

Notes:
ND - Not Detected
NA - Not Analyzed
All Results in ug/L

FIGURES





QUADRANGLE LOCATION
NEW YORK

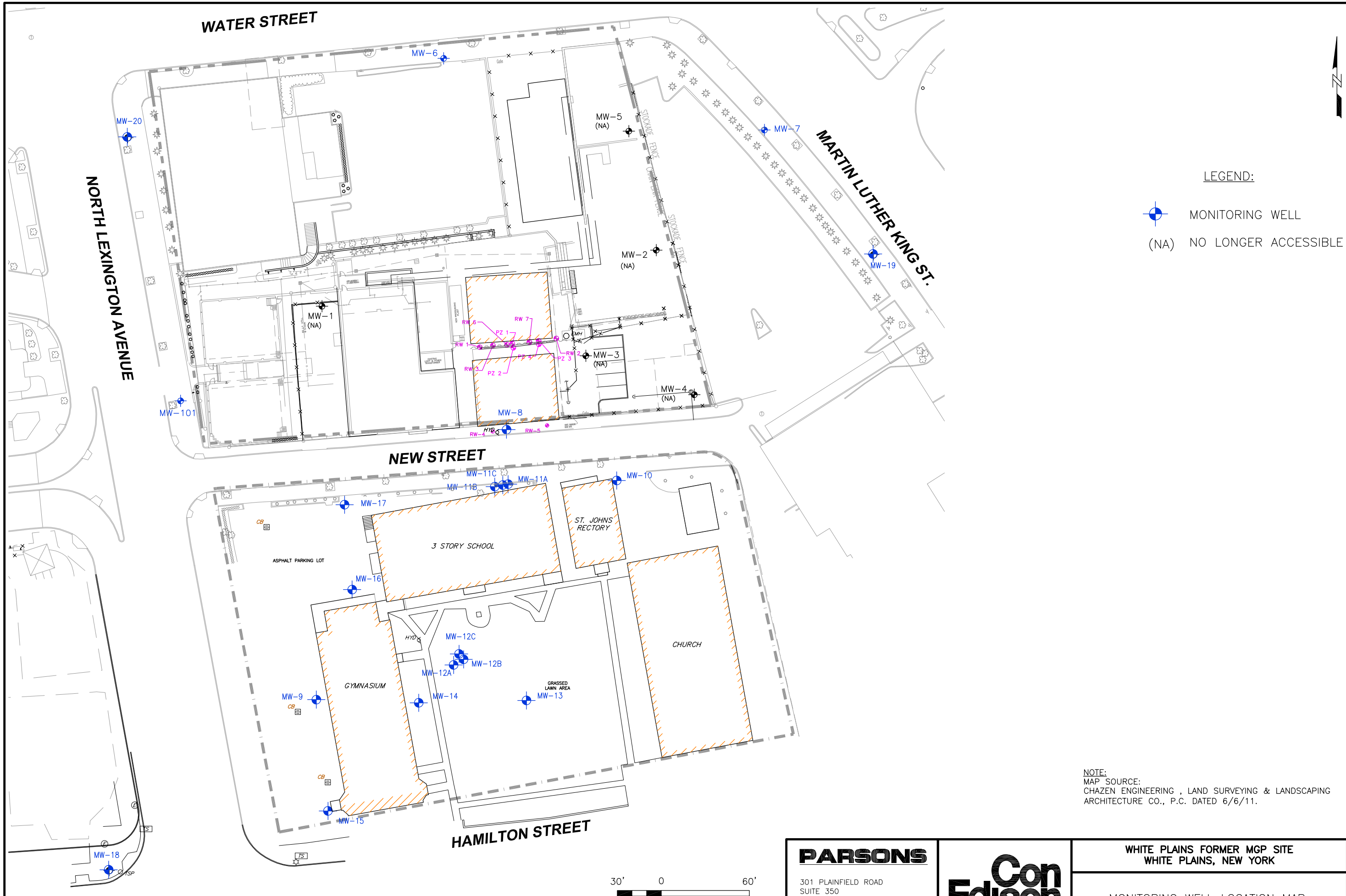
LATITUDE: N42° 02' 00"
LONGITUDE: W73° 46' 16"

FIGURE 1

CONSOLIDATED EDISON
WHITE PLAINS FORMER MGP SITE
WHITE PLAINS, NEW YORK

SITE LOCATION MAP

PARSONS
301 PLAINFIELD ROAD, SUITE 350, SYRACUSE, N.Y. 13212, PHONE: 315-451-9560



LEGEND:

MONITORING WELL

(NA) NO LONGER ACCESSIBLE

NOTE:
MAP SOURCE:
CHAZEN ENGINEERING , LAND SURVEYING & LANDSCAPING ARCHITECTURE CO., P.C. DATED 6/6/11.

FILE NAME: S:\PROJECTS\CONEDISON\WHITE PLAINS, NY\CAD\2013 GWMR\446107-SK001.DWG
PLOT DATE: 2/23/2015 8:51 AM PLOTTED BY: RUSSO, JILL

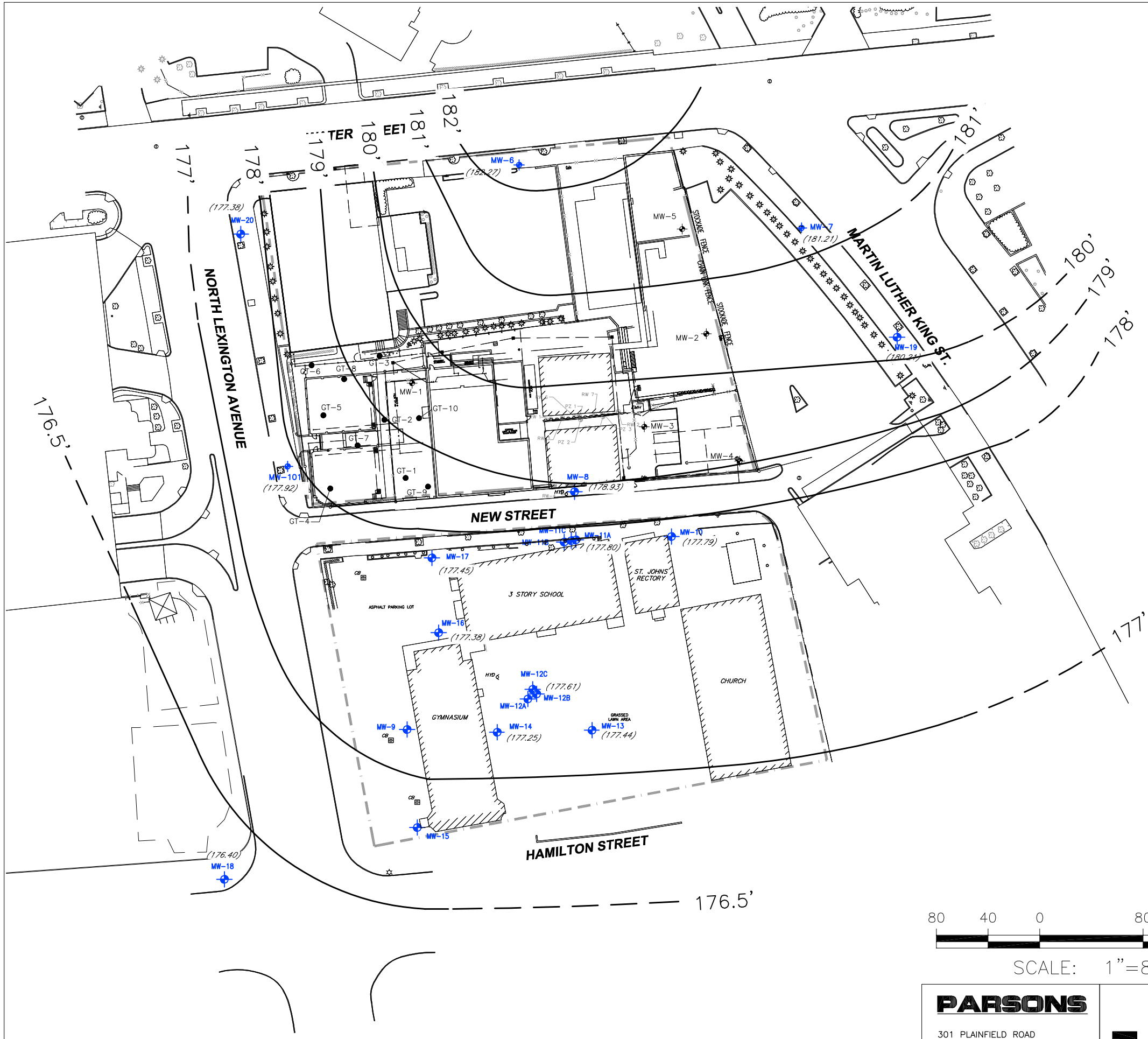
PARSONS
301 PLAINFIELD ROAD
SUITE 350
SYRACUSE, N.Y. 13212
PHONE: (315) 451-9560
FAX: (315) 451-9570

Con Edison

WHITE PLAINS FORMER MGP SITE
WHITE PLAINS, NEW YORK

MONITORING WELL LOCATION MAP

FIGURE NO. 2



LEGEND:

- MONITORING WELL
- (NA) NO LONGER ACCESSIBLE
- 178.0 GROUNDWATER CONTOURS
- GROUNDWATER CONTOURS INFERRED
- 182.27 GROUNDWATER ELEVATIONS

NOTES:

1. MAP SOURCE CHAZEN ENGINEERING, LAND SURVEYING & LANDSCAPING ARCHITECTURE CO., P.C. DATED 6/6/11.
2. MONITORING WELL GAUGING WAS PERFORMED BY PARSONS, INC. ON JUNE 4, 2018.
3. CONTOUR MAPPING DID NOT INCLUDE GROUNDWATER ELEVATIONS FROM THE FOLLOWING MONITORING/RECOVERY WELLS AND PIEZOMETERS; RW-1 THROUGH RW-8, PZ-1 THROUGH PZ-4, MW-9, MW-15, MW-11B, MW-11C, MW-12A, AND MW-12C.
4. MONITORING WELLS WERE FIELD SURVEYED BY CHAZEN ENGINEERING ON NOVEMBER 30, 2009 AND MAY 16, 2011.

80 40 0 80 160

SCALE: 1"=80'

PARSONS
301 PLAINFIELD ROAD
SUITE 350
SYRACUSE, N.Y. 13212
PHONE: (315) 451-9560
FAX: (315) 451-9570

Con Edison

WHITE PLAINS FORMER MGP SITE
WHITE PLAINS, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP
JUNE 4, 2018

FIGURE NO. 3

FILE NAME: P:\CONED\446107 - WHITE PLAINS\CAD\2018 GWMR\446107-SK001-GW-06-18.DWG
PLOT DATE: 8/9/2018 10:47 AM PLOTTED BY: RUSSO, JILL

ATTACHMENTS

Attachment 1

Groundwater Sampling Records

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-6
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 5.55
Depth to Well Bottom (TOC): 16.05
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0855	0900	0905	0910	0915	0920	0925	0930
Depth To Water (TOC) (ft)	7.0	8.0	8.10	8.16	8.20	8.27	8.34	8.40
Depth To Pump (TOC) (ft)	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.53	6.98	6.88	6.85	6.84	6.84	6.84	6.84
Conductivity (mS/cm)	4.26	4.13	4.07	4.06	4.06	4.07	4.07	4.06
Turbidity (NTUs)	239	126	39.6	26.1	28.4	18.8	17.5	18.2
Dissolved Oxygen (mg/L)	16.3	8.73	4.19	2.03	0.97	0.12	0.10	0.10
Temperature (Degrees C)	16.96	16.82	17.02	17.37	17.55	17.58	17.62	17.65
ORP (mV)	17	18	23	28	31	36	NA	NA
Salinity (%)	1.6	1.5	1.5	1.5	1.5	1.5	1.5	1.5
TDS (g/L)	2.69	2.64	2.60	2.6	2.6	2.6	2.6	2.6

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-7
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 8.30
Depth to Well Bottom (TOC): 15.55
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1315	1320	1325	1330	1335	1340	1345	1350
Depth To Water (TOC) (ft)	8.41	8.46	10.00	10.31	10.39	10.47	10.52	10.58
Depth To Pump (TOC) (ft)	13.00	13.00	13.00	13.00	13.00	13.00	13.00	13.00
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.47	7.16	7.06	7.06	7.05	7.04	7.04	7.05
Conductivity (mS/cm)	5.89	5.86	6.20	6.31	6.27	6.32	6.34	6.31
Turbidity (NTUs)	695	448	165	69.3	39.9	20.2	21.1	20.7
Dissolved Oxygen (mg/L)	3.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	15.95	15.90	15.77	15.71	15.63	15.67	15.68	15.71
ORP (mV)	-24	-32	-37	-39	-41	-42	-42	-42
Salinity (%)	2.3	2.3	2.5	2.6	2.5	2.6	2.6	2.6
TDS (g/L)	3.69	3.71	3.75	3.97	3.96	3.98	3.99	4.01

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-8
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 23.15
Depth to Well Bottom (TOC): 39.50
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0850	0855	0900	0905	0910	0915	0920	0925
Depth To Water (TOC) (ft)	23.40	23.52	23.59	23.65	23.74	23.81	23.90	24.0
Depth To Pump (TOC) (ft)	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
Flow Rate (ml/min)	~250	~250	~250	~250	~250	~250	~250	~250
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	6.98	6.96	6.97	6.94	6.93	6.93	6.92	6.91
Conductivity (mS/cm)	3.37	3.41	3.26	3.31	3.35	3.39	3.41	3.41
Turbidity (NTUs)	500	151	148	139	47.0	40.1	44.8	35.8
Dissolved Oxygen (mg/L)	0.88	0.63	0.24	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	17.41	17.43	17.60	17.69	17.67	17.71	17.87	17.94
ORP (mV)	4	6	13	20	21	23	24	25
Salinity (%)	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
TDS (g/L)	2.16	2.18	2.16	2.12	2.14	2.17	2.18	2.18

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-8
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 23.15
Depth to Well Bottom (TOC): 39.50
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	SAMPLE
Time	0930	0935
Depth To Water (TOC) (ft)	24.10	24.15
Depth To Pump (TOC) (ft)	37.0	37.0
Flow Rate (ml/min)	~250	~250
Volume of Water Purged	NA	NA
pH (s.u.)	NA	NA
Conductivity (mS/cm)	NA	NA
Turbidity (NTUs)	37.8	38.8
Dissolved Oxygen (mg/L)	0.0	0.0
Temperature (Degrees C)	17.95	17.90
ORP (mV)	NA	NA
Salinity (%)	1.2	1.2
TDS (g/L)	2.18	2.18

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-9
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 30.15
Depth to Well Bottom (TOC): 61.70
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Faint Odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0645	0650	0655	0700	0705	0710	0715	0720
Depth To Water (TOC) (ft)	30.20	30.28	30.39	30.44	30.58	30.66	30.75	30.80
Depth To Pump (TOC) (ft)	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.36	7.13	7.12	7.12	7.07	7.09	7.08	7.08
Conductivity (mS/cm)	3.75	3.88	3.77	3.70	4.08	3.91	3.93	3.95
Turbidity (NTUs)	356	335	256	160	49.0	39.0	37.0	40.0
Dissolved Oxygen (mg/L)	0.27	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	17.19	17.33	17.36	17.27	17.24	17.29	17.27	17.24
ORP (mV)	-12	-13	-28	-31	-38	-40	-41	-43
Salinity (%)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TDS (g/L)	2.40	2.44	2.40	2.43	2.49	2.49	2.51	2.53

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-10
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 26.66
Depth to Well Bottom (TOC): 49.85
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0745	0750	0755	0800	0805	0810	0815
Depth To Water (TOC) (ft)	27.03	27.13	27.19	27.26	27.35	27.40	27.45
Depth To Pump (TOC) (ft)	24	24	24	24	24	24	24
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.01	6.93	6.90	6.90	6.89	6.89	6.89
Conductivity (mS/cm)	10.94	10.90	10.70	10.60	10.60	10.50	10.50
Turbidity (NTUs)	188	41.9	24.0	6.2	1.5	1.4	1.3
Dissolved Oxygen (mg/L)	1.01	0.90	0.96	1.11	0.97	0.96	0.95
Temperature (Degrees C)	17.13	17.27	17.25	17.35	17.42	17.51	17.54
ORP (mV)	130	126	126	130	135	137	139
Salinity (%)	4.9	4.9	4.9	4.8	4.8	4.8	4.8
TDS (g/L)	6.70	6.67	6.63	6.60	6.54	6.53	6.52

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450658-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-11A
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.02
Depth to Well Bottom (TOC): 26.75
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0935	0940	0945	0950	0955	1000	1005
Depth To Water (TOC) (ft)	24.15	24.16	24.17	24.20	24.22	24.22	24.24
Depth To Pump (TOC) (ft)	26.75	26.75	26.75	26.75	26.75	26.75	26.75
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150
pH (s.u.)	7.35	7.28	7.26	7.26	7.26	7.25	7.25
Conductivity (mS/cm)	5.73	5.88	6.10	6.15	6.22	6.28	6.29
Turbidity (NTUs)	282	128	20.6	6.20	1.40	1.30	1.20
Dissolved Oxygen (mg/L)	7.40	5.07	4.96	4.75	4.78	4.77	4.75
Temperature (Degrees C)	18.05	18.29	18.76	18.75	18.86	18.90	18.93
ORP (mV)	216	219	221	222	223	223	223
Salinity (%)	2.3	2.4	2.5	2.5	2.5	2.6	2.6
TDS (g/L)	3.65	3.72	3.85	3.87	3.92	3.96	3.98

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450658-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-11B, MW-111B, MW-11B-MS, MW-11B-MSD
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.22
Depth to Well Bottom (TOC): 36.20
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE	SAMPLE
Time	0830	0835	0840	0845	0850	0855	0900	0910
Depth To Water (TOC) (ft)	24.65	24.66	24.68	24.70	24.73	24.75	24.77	24.80
Depth To Pump (TOC) (ft)	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.52	7.35	7.29	7.29	7.28	7.27	7.27	7.27
Conductivity (mS/cm)	7.19	6.93	7.01	7.04	7.06	7.03	7.04	7.04
Turbidity (NTUs)	224	138	23.3	25.0	6.3	6.0	6.2	6.1
Dissolved Oxygen (mg/L)	5.75	4.95	3.66	3.78	3.42	3.40	3.39	3.38
Temperature (Degrees C)	18.27	18.43	18.35	18.34	18.79	18.75	18.73	18.77
ORP (mV)	201	203	208	209	202	206	205	207
Salinity (%)	2.0	2.1	2.9	2.9	3.0	2.9	2.9	2.9
TDS (g/L)	4.53	4.36	4.42	4.44	4.45	4.43	4.45	4.44

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes: Dup/MS/MSD

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-11C
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.05
Depth to Well Bottom (TOC): 49.65
CALCULATIONS: Ft. of Water in Well ____ X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well ____ x 0.16 = ____ Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1245	1250	1255	1300	1305	1310	1315	1320
Depth To Water (TOC) (ft)	24.18	24.38	24.60	24.90	25.0	25.1	25.28	25.3
Depth To Pump (TOC) (ft)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged								
pH (s.u.)	7.26	7.25	7.26	7.26	7.26	7.26	7.26	7.26
Conductivity (mS/cm)	6.11	6.24	6.22	6.18	6.24	6.31	6.33	6.32
Turbidity (NTUs)	MAX	553	333	265	200	109	98.3	87.5
Dissolved Oxygen (mg/L)	14.28	8.98	7.19	0.88	0.13	0.03	0.0	0.0
Temperature (Degrees C)	19.62	19.20	19.25	19.25	19.00	19.09	19.10	19.11
ORP (mV)	-52	-84	-100	-114	-125	-149	-155	-151
Salinity (%)	2.5	2.5	2.5	2.5	2.5	2.6	2.6	2.6
TDS (g/L)	3.86	3.93	3.92	3.89	3.94	3.97	3.98	3.98

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-11C
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.05
Depth to Well Bottom (TOC): 49.65
CALCULATIONS: Ft. of Water in Well ____ X (GAL / FT) = ____ Gallons
2-inch Casing: Ft. of Water in Well ____ x 0.16 = ____ Gallons
3-inch Casing: Ft. of Water in Well ____ x 0.32 = ____ Gallons
4-inch Casing: Ft. of Water in Well ____ x 0.64 = ____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1325	1330	1335	1340	1345
Depth To Water (TOC) (ft)	25.45	25.56	25.70	26.0	26.7
Depth To Pump (TOC) (ft)	47.0	47.0	47.0	47.0	47.0
Flow Rate (ml/min)	~200	~200	~200	~200	~200
Volume of Water Purged					
pH (s.u.)	7.25	7.25	7.25	7.28	7.28
Conductivity (mS/cm)	6.38	6.39	6.40	6.40	6.40
Turbidity (NTUs)	70.5	60.3	49.8	48.9	48.9
Dissolved Oxygen (mg/L)	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	19.18	19.20	19.25	19.25	19.16
ORP (mV)	-160	-161	-168	-173	-173
Salinity (%)	2.6	2.6	2.6	2.6	2.6
TDS (g/L)	4.00	4.02	4.03	4.04	4.05

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-12A
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.37
Depth to Well Bottom (TOC): 30.45
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1140	1145	1150	1155	1200	1205	1210	1215
Depth To Water (TOC) (ft)	27.45	27.60	27.70	27.80	27.80	27.91	27.95	27.95
Depth To Pump (TOC) (ft)	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.76	7.61	7.60	7.60	7.60	7.59	7.59	7.59
Conductivity (mS/cm)	0.540	0.520	0.516	0.515	0.514	0.511	0.512	0.512
Turbidity (NTUs)	264	6.7	3.2	0.3	0.6	0.3	0.3	0.2
Dissolved Oxygen (mg/L)	10.52	7.86	7.68	7.50	7.57	7.59	7.54	7.50
Temperature (Degrees C)	17.12	17.00	17.05	16.98	17.07	17.66	17.68	17.60
ORP (mV)	155	162	164	167	168	171	170	173
Salinity (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
TDS (g/L)	0.340	0.332	0.330	0.330	0.329	0.327	0.327	0.327

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-12B
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.37
Depth to Well Bottom (TOC): 44.50
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1240	1245	1250	1255	1300	1305	1310	1315
Depth To Water (TOC) (ft)	27.50	27.65	27.80	27.88	27.95	NA	NA	NA
Depth To Pump (TOC) (ft)	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.42	7.37	7.36	7.35	7.35	7.36	7.35	7.35
Conductivity (mS/cm)	1.01	1.48	1.56	1.62	1.63	1.65	1.64	1.65
Turbidity (NTUs)	MAX	112	46.2	31.1	21.9	15.8	15.0	14.9
Dissolved Oxygen (mg/L)	1.32	0.97	0.75	0.52	0.27	0.18	0.17	0.17
Temperature (Degrees C)	19.19	18.56	18.62	18.57	18.54	18.50	18.52	18.51
ORP (mV)	78	111	120	126	128	129	130	130
Salinity (%)	0.3	0.4	0.5	0.5	0.5	0.5	0.5	0.5
TDS (g/L)	1.645	0.955	1.00	1.03	1.05	1.05	1.05	1.05

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-8-18
Sampling Date: N/A
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-12C
Sampling Method: Purged using disposable pump

WELL PURGING

Static Water Level (TOC): 27.60
Depth to Well Bottom (TOC): 60.40
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon Odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time								
Depth To Water (TOC) (ft)								
Depth To Pump (TOC) (ft)								
Flow Rate (ml/min)								
Volume of Water Purged								
pH (s.u.)								
Conductivity (mS/cm)								
Turbidity (NTUs)								
Dissolved Oxygen (mg/L)								
Temperature (Degrees C)								
ORP (mV)								
Salinity (%)								
TDS (g/L)								

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory: Test America

Unable to LFPS due to presence of DNAPL. Disposable Whaler pump used to purge DNAPL.

Other Notes: Product placed in 55 gallon drum

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-13
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.40
Depth to Well Bottom (TOC): 65.31
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0645	0650	0655	0700	0705	0710	0715	0720
Depth To Water (TOC) (ft)	27.60	27.68	27.75	27.80	27.85	27.90	27.96	28.0
Depth To Pump (TOC) (ft)	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	6.90	6.83	6.78	6.78	6.77	6.76	6.76	6.76
Conductivity (mS/cm)	4.01	3.90	3.90	3.89	3.89	3.93	3.96	3.95
Turbidity (NTUs)	MAX	527	180	92.3	39.3	30.2	29.7	28.2
Dissolved Oxygen (mg/L)	16.25	8.20	4.31	2.04	1.72	1.45	1.52	1.48
Temperature (Degrees C)	16.73	16.60	16.62	16.64	16.60	16.71	16.64	16.68
ORP (mV)	-20	-16	-16	-16	-15	-15	-15	-15
Salinity (%)	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TDS (g/L)	2.49	2.49	2.49	2.49	2.49	2.52	2.53	2.53

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-8-18
Sampling Date: 6-8-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-14
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.75
Depth to Well Bottom (TOC): 64.30
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0735	0740	0745	0750	0755	0800	0805	0810
Depth To Water (TOC) (ft)	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5
Depth To Pump (TOC) (ft)	62	62	62	62	62	62	62	62
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.11	7.12	7.12	7.11	7.11	7.11	7.11	7.11
Conductivity (mS/cm)	2.89	2.88	2.87	2.88	2.85	2.85	2.84	2.86
Turbidity (NTUs)	MAX	MAX	400	215	113	110	90.7	89.3
Dissolved Oxygen (mg/L)	Error	Error	Error	Error	Error	Error	Error	Error
Temperature (Degrees C)	17.00	17.03	17.15	17.11	17.55	17.67	17.60	17.70
ORP (mV)	-30	-39	-48	-56	-67	-80	-86	-114
Salinity (%)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
TDS (g/L)	1.86	1.85	1.84	1.84	1.84	1.83	1.82	1.83

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-8-18
Sampling Date: 6-8-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-14
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.75
Depth to Well Bottom (TOC): 64.30
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	SAMPLE
Time	0815	0820	0825
Depth To Water (TOC) (ft)	NA	NA	NA
Depth To Pump (TOC) (ft)	62	62	62
Flow Rate (ml/min)	~200	~200	~200
Volume of Water Purged	NA	NA	NA
pH (s.u.)	7.11	7.11	7.11
Conductivity (mS/cm)	2.85	2.85	2.85
Turbidity (NTUs)	50.1	44.8	41.0
Dissolved Oxygen (mg/L)	Error	Error	Error
Temperature (Degrees C)	17.79	17.80	17.76
ORP (mV)	-113	-115	-120
Salinity (%)	1.0	1.0	1.0
TDS (g/L)	1.82	1.82	1.83

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-15
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.50
Depth to Well Bottom (TOC): 66.80
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1105	1110	1115	1120	1125	1130	1135	1140
Depth To Water (TOC) (ft)	28.00	28.3	28.6	29.0	29.2	29.5	29.8	30.0
Depth To Pump (TOC) (ft)	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
Flow Rate (ml/min)	~250	~250	~250	~250	~250	~250	~250	~250
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	6.91	6.82	6.86	6.89	6.91	6.91	6.91	6.91
Conductivity (mS/cm)	0.918	1.73	2.52	2.81	2.94	3.12	3.28	3.42
Turbidity (NTUs)	MAX	712	504	463	225	115	84.7	100
Dissolved Oxygen (mg/L)	2.86	0.4	0.0	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	16.70	16.51	16.68	16.54	16.55	16.49	16.52	16.54
ORP (mV)	0	11	9	6	6	7	8	9
Salinity (%)	0.2	0.6	0.8	1.0	1.0	1.1	1.2	1.2
TDS (g/L)	0.599	1.15	1.63	1.81	1.90	2.01	2.10	2.19

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-15
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.50
Depth to Well Bottom (TOC): 66.80
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1145	1150	1155	1200	1205	1210	1215
Depth To Water (TOC) (ft)	30.5	31.0	31.3	31.5	31.7	31.9	32.3
Depth To Pump (TOC) (ft)	64.0	64.0	64.0	64.0	64.0	64.0	64.0
Flow Rate (ml/min)	~250	~250	~250	~250	~250	~250	~250
Volume of Water Purged							
pH (s.u.)	6.91	7.05	6.99	6.95	6.94	6.94	6.96
Conductivity (mS/cm)	3.49	3.41	3.41	3.43	3.48	3.49	3.52
Turbidity (NTUs)	94.1	86.2	84.8	76.3	50.1	49.7	48.3
Dissolved Oxygen (mg/L)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	16.59	17.02	17.16	17.68	17.67	17.68	17.68
ORP (mV)	8	18	20	19	18	17	18
Salinity (%)	1.2	1.2	1.2	1.2	1.2	1.2	1.2
TDS (g/L)	2.23	2.18	2.18	2.20	2.23	2.23	2.25

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Keven McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-16
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 28.58
Depth to Well Bottom (TOC): 64.50
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Strong odor/Hydrocarbon odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0745	0750	0755	0800	0805	0810	0815	0820
Depth To Water (TOC) (ft)	26.00	26.07	26.13	26.20	26.27	26.35	26.40	26.45
Depth To Pump (TOC) (ft)	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.09	7.11	7.11	7.11	7.11	7.11	7.12	7.12
Conductivity (mS/cm)	5.73	5.37	5.32	5.40	5.38	5.37	5.36	5.37
Turbidity (NTUs)	173	18.9	10.9	10.4	6.1	5.3	5.0	4.8
Dissolved Oxygen (mg/L)	1.37	0.89	0.62	0.31	0.18	0.20	0.16	0.18
Temperature (Degrees C)	17.75	17.82	17.84	17.72	17.78	17.83	17.80	17.82
ORP (mV)	-28	-36	-38	-39	40	-41	-42	-42
Salinity (%)	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1
TDS (g/L)	3.51	3.38	3.36	3.40	3.39	3.38	3.38	3.38

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-17
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.50
Depth to Well Bottom (TOC): 49.90
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Very Faint Odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1030	1035	1040	1045	1050	1055	1100	1105
Depth To Water (TOC) (ft)	27.55	27.58	27.60	27.63	27.63	27.63	27.63	27.63
Depth To Pump (TOC) (ft)	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	8.09	7.64	7.62	7.60	7.59	7.58	7.56	7.57
Conductivity (mS/cm)	0.880	1.110	1.110	1.09	1.10	1.11	1.11	1.12
Turbidity (NTUs)	217	325	423	436	148	63.5	42.6	23.6
Dissolved Oxygen (mg/L)	5.13	4.20	4.28	4.27	4.22	4.19	4.20	4.21
Temperature (Degrees C)	18.86	19.90	19.91	19.72	19.74	19.76	19.85	19.80
ORP (mV)	210	178	180	186	189	204	208	209
Salinity (%)	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.5
TDS (g/L)	0.724	0.702	0.703	0.699	0.704	0.932	0.990	0.991

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory: Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-17
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.72
Depth to Well Bottom (TOC): 49.84
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Wel _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Very Faint Odor
Other : None

FIELD TESTS

	PURGE	SAMPLE
Time	1110	1115
Depth To Water (TOC) (ft)	27.63	27.63
Depth To Pump (TOC) (ft)	47.0	47.0
Flow Rate (ml/min)	~150	~150
pH (s.u.)	7.57	7.56
Conductivity (mS/cm)	1.12	1.13
Turbidity (NTUs)	22.9	22.1
Dissolved Oxygen (mg/L)	4.23	4.21
Temperature (Degrees C)	19.85	19.83
ORP (mV)	210	211
Salinity (%)	0.5	0.5
TDS (g/L)	0.993	0.992

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-8-18
Sampling Date: 6-8-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-18
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 32.50
Depth to Well Bottom (TOC): 71.30
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon Odor
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	0620	0625	0630	0635	0640	0645	0650	0700
Depth To Water (TOC) (ft)	33.0	33.08	33.19	33.29	33.41	33.51	33.63	33.70
Depth To Pump (TOC) (ft)	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
Flow Rate (ml/min)	~200	~200	~200	~200	~200	~200	~200	~200
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.05	7.06	7.08	7.09	7.10	7.10	7.10	7.10
Conductivity (mS/cm)	5.18	5.05	4.73	4.52	4.39	4.36	4.31	4.30
Turbidity (NTUs)	MAX	MAX	MAX	214	112	96.3	84.8	51.8
Dissolved Oxygen (mg/L)	1.32	1.18	1.00	0.62	0.44	0.33	0.36	0.37
Temperature (Degrees C)	15.75	15.78	15.75	15.85	15.91	15.94	15.87	16.05
ORP (mV)	-49	-51	-55	-56	-55	-54	-53	-54
Salinity (%)	1.9	1.9	1.8	1.7	1.6	1.6	1.6	1.6
TDS (g/L)	3.13	3.13	3.02	2.89	2.81	2.79	2.76	2.75

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-8-18
Sampling Date: 6-8-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-18
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 32.50
Depth to Well Bottom (TOC): 71.30
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : Hydrocarbon Odor
Other : None

FIELD TESTS

	PURGE	SAMPLE
Time	0705	0710
Depth To Water (TOC) (ft)	33.83	33.96
Depth To Pump (TOC) (ft)	69.0	69.0
Flow Rate (ml/min)	~200	~200
Volume of Water Purged	NA	NA
pH (s.u.)	7.10	7.10
Conductivity (mS/cm)	4.30	4.31
Turbidity (NTUs)	47.6	48.2
Dissolved Oxygen (mg/L)	0.39	0.37
Temperature (Degrees C)	15.95	16.00
ORP (mV)	-53	NA
Salinity (%)	1.6	1.6
TDS (g/L)	2.75	2.72

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-19
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 8.03
Depth to Well Bottom (TOC): 20.09
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1150	1155	1200	1205	1210	1215	1220	1225
Depth To Water (TOC) (ft)	8.15	9.18	11.30	12.25	12.45	12.59	12.70	12.75
Depth To Pump (TOC) (ft)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.10	7.06	7.06	7.03	7.03	7.04	7.04	7.04
Conductivity (mS/cm)	7.22	7.42	7.43	7.55	7.78	7.93	8.00	8.02
Turbidity (NTUs)	938	920	811	800	790	711	578	464
Dissolved Oxygen (mg/L)	0.28	0.27	0.27	0.31	0.30	0.33	0.28	0.29
Temperature (Degrees C)	15.18	16.15	15.97	15.98	15.50	15.81	15.82	15.85
ORP (mV)	-3	-16	-17	-20	-26	-32	-33	-33
Salinity (%)	3.0	3.1	3.1	3.2	3.3	3.4	3.4	3.5
TDS (g/L)	4.53	4.67	4.67	4.79	4.91	5.00	5.04	5.09

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-4-18
Sampling Date: 6-4-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-19
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 8.03
Depth to Well Bottom (TOC): 20.09
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1230	1235	1240	1245	1250	1255
Depth To Water (TOC) (ft)	12.80	12.85	13.00	13.07	13.10	13.15
Depth To Pump (TOC) (ft)	18.0	18.0	18.0	18.0	18.0	18.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.02	7.00	7.03	7.01	7.01	7.03
Conductivity (mS/cm)	8.25	8.30	8.46	8.47	8.49	8.51
Turbidity (NTUs)	461	124	82.0	31.8	32.7	32.2
Dissolved Oxygen (mg/L)	0.29	0.30	0.32	0.35	0.34	0.35
Temperature (Degrees C)	15.88	15.80	15.79	15.87	15.90	15.89
ORP (mV)	-26	-26	-25	-23	-22	-22
Salinity (%)	3.5	3.5	3.7	3.7	3.7	3.7
TDS (g/L)	5.20	5.22	5.33	5.34	5.35	5.36

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS
GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-20
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 14.20
Depth to Well Bottom (TOC): 20.10
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1000	1005	1010	1015	1020	1025	1030	1035
Depth To Water (TOC) (ft)	14.30	14.40	14.50	14.60	14.35	14.70	14.80	14.85
Depth To Pump (TOC) (ft)	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
Flow Rate (ml/min)	~150	~150	~150	~150	~150	~150	~150	~150
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.09	6.98	6.96	6.95	6.95	6.95	6.96	6.96
Conductivity (mS/cm)	12.10	13.0	13.40	13.90	14.0	14.10	14.20	14.30
Turbidity (NTUs)	MAX	MAX	MAX	260	143	105	61.2	32.9
Dissolved Oxygen (mg/L)	4.28	1.51	1.01	0.97	0.73	0.70	0.68	0.65
Temperature (Degrees C)	16.31	15.45	15.37	15.46	15.46	15.50	15.54	15.50
ORP (mV)	93	54	36	30	28	27	27	25
Salinity (%)	5.8	6.2	6.4	6.7	6.7	6.8	6.8	6.9
TDS (g/L)	7.63	8.10	8.35	8.62	8.66	8.75	8.85	8.89

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-5-18
Sampling Date: 6-5-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-20
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 14.20
Depth to Well Bottom (TOC): 20.10
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	SAMPLE
Time	1040	1045
Depth To Water (TOC) (ft)	14.92	15.00
Depth To Pump (TOC) (ft)	18.0	18.0
Flow Rate (ml/min)	~150	~150
Volume of Water Purged	NA	NA
pH (s.u.)	6.96	6.96
Conductivity (mS/cm)	14.3	14.3
Turbidity (NTUs)	11.2	10.0
Dissolved Oxygen (mg/L)	0.66	0.63
Temperature (Degrees C)	15.49	15.52
ORP (mV)	22	23
Salinity (%)	6.9	6.9
TDS (g/L)	8.84	8.85

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 451198-01000
Purge Date: 6-6-18
Sampling Date: 6-6-18
Samplers: Kevin McMullen of Parsons / Somerset, NJ

SAMPLE ID: MW-101
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 25.15
Depth to Well Bottom (TOC): 59.80
CALCULATIONS: Ft. of Water in Well _____ X (GAL / FT) = _____ Gallons
2-inch Casing: Ft. of Water in Well _____ x 0.16 = _____ Gallons
3-inch Casing: Ft. of Water in Well _____ x 0.32 = _____ Gallons
4-inch Casing: Ft. of Water in Well _____ x 0.64 = _____ Gallons
Method: Low flow purge utilizing Monsoon Pump

SAMPLE DESCRIPTION

Odor : None
Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1000	1005	1010	1015	1020	1025	1030	1035
Depth To Water (TOC) (ft)	26.15	27.20	28.00	28.92	29.11	29.48	29.59	29.69
Depth To Pump (TOC) (ft)	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
Flow Rate (ml/min)	~250	~250	~250	~250	~250	~250	~250	~250
Volume of Water Purged	NA	NA	NA	NA	NA	NA	NA	NA
pH (s.u.)	7.01	7.01	7.02	7.02	7.02	7.01	7.01	7.01
Conductivity (mS/cm)	6.00	6.02	5.61	5.30	5.24	5.26	5.27	5.27
Turbidity (NTUs)	MAX	712	567	344	143	42.5	26.5	22.8
Dissolved Oxygen (mg/L)	6.72	0.88	0.0	0.0	0.0	0.0	0.0	0.0
Temperature (Degrees C)	18.72	18.71	18.73	18.68	18.68	18.69	18.69	18.69
ORP (mV)	-31	-34	-37	-38	-39	-40	-40	-40
Salinity (%)	2.8	2.4	2.2	2.1	2.0	2.1	2.1	2.1
TDS (g/L)	4.21	3.88	3.51	3.33	3.30	3.31	3.33	3.33

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via:
Laboratory Test America

Other Notes:

Attachment 2
Data Usability Summary Report – June 2018

DATA USABILITY SUMMARY REPORT

WHITE PLAINS

Prepared For:

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.

31-01 20th Avenue
Long Island City, NY 11105

Prepared By:

PARSONS

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JULY 2018

TABLE OF CONTENTS

Page

LIST OF ATTACHMENTS

SECTION 1

DATA USABILITY SUMMARY

Groundwater samples were collected from the Consolidated Edison White Plains site on June 4, 2018 through June 8, 2018. Analytical results from these samples were validated and reviewed by Parsons for usability with respect to the following requirements:

- Work Plan,
- NYSDEC Analytical Services Protocol (ASP), and
- USEPA Region II Standard Operating Procedures (SOPs).

The analytical laboratory for this project was Test America Laboratories – Edison (TAL). This laboratory is certified to perform project analyses by the New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP).

1.1 LABORATORY DATA PACKAGES

The laboratory data package turnaround time, defined as the time from sample receipt by the laboratory to receipt of the analytical data packages by Parsons, was 12 days for the project samples.

The data packages received from TAL were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation report which is summarized by media in Section 2.

1.2 SAMPLING AND CHAIN-OF-CUSTODY

The samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at TAL within one to four days of sampling. All samples were received intact and in good condition at the laboratory.

1.3 LABORATORY ANALYTICAL METHODS

The groundwater samples that were collected from the site were analyzed for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs). Summaries of issues concerning these laboratory analyses are presented in Subsections 1.3.1 through 1.3.2. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, comparability, and sensitivity (PARCCS) are discussed for each analytical method by media in Section 2. The laboratory data were reviewed and may be qualified with the following validation flags:

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given,

"J" - estimated at the value given,

"J+" - estimated biased high at the value given,

"J-" - estimated biased low at the value given,

"N" - presumptive evidence at the value given, and

"R" - unusable value.

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Volatile Organic Analysis

Groundwater samples were analyzed for VOCs using the USEPA SW-846 8260C analytical method. Certain reported results for the VOC samples were qualified as estimated based upon instrument calibrations. The reported VOC analytical results were 100% complete (i.e., usable) for the groundwater data. PARCCS requirements were met.

1.3.2 Semivolatile Organic Analysis

Groundwater samples were analyzed for SVOCs using the USEPA SW-846 8270D analytical method. Certain reported results for the SVOC samples were qualified as estimated based upon sample holding times, laboratory control sample recoveries, and instrument calibrations. The reported SVOC analytical results were 100% complete (i.e., usable) for the groundwater data. PARCCS requirements were met.

SECTION 2

DATA VALIDATION REPORT

2.1 GROUNDWATER

Data review has been completed for data packages generated by TAL containing analytical results from groundwater samples collected from the site. All of these samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. Analytical data were submitted in sample delivery group (SDG) 460-157990-1.

Data validation was performed for all samples in accordance with the most current editions of the USEPA Region II SOPs for organic data review. This data validation and usability report is presented by analysis type. The validated laboratory data are presented in Attachment A.

2.1.1 Volatiles

The following items were reviewed for compliancy in the volatile analysis:

- Custody documentation
- Holding times
- Surrogate recoveries
- Matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy
- Laboratory control sample (LCS) recoveries
- Laboratory method blank and trip/equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of MS/MSD precision and accuracy, LCS recoveries, blank contamination, and continuing calibrations as discussed below.

MS/MSD Precision and Accuracy

All MS/MSD precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the high MS/MSD accuracy results for 1,2,4-trichlorobenzene (154%R/164%R; QC limit 80-124%R) and 1,2,3-trichlorobenzene

(182%R/217%R; QC limit 78-131%R) and the high MS accuracy result for benzene (122%R; QC limit 77-121%R) during the spiked analyses of sample MW-11B. Validation qualification of these compounds was not required for the parent sample.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recoveries for 1,2,4-trichlorobenzene (161%R, 184%R, 135%R, 157%R, 174%R; QC limit 80-124%R) and 1,2,3-trichlorobenzene (194%R, 224%R, 160%R, 189%R, 214%R; QC limit 78-131%R) associated with all samples; the high LCS recovery for methyl tert-butylether (123%R; QC limit 79-122%R) associated with samples MW-11A, MW-17, MW-19, MW-7, MW-10, MW-111B, MW-6, MW-20, MW-12A, MW-12B, TB-060818, and FB-060818; and the high LCS recoveries for cis-1,2-dichloroethene (121%R; QC limit 80-120%R) and trans-1,2-dichloroethene (121%R; QC limit 79-120%R) associated with samples MW-16 and MW-101. Validation qualification was not required for these samples.

Blank Contamination

The field equipment blank FB-060818 associated with the project samples contained methylene chloride below the reporting limit at a concentration of 0.41 µg/L; and the trip blank TB-060818 associated with the project samples contained methylene chloride below the reporting limit at a concentration of 0.35 µg/L. Validation qualification was not required.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum relative response factor (RRF) of 0.05 and a maximum percent difference (%D) within ±20% with the exception of 1,2,4-trichlorobenzene (64.4%D, 59.5%D, 47.8%D) and 1,2,3-trichlorobenzene (84.7%D, 81.9%D, 68%D) in the continuing calibrations associated with all samples. Therefore, the results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All volatile sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The volatile groundwater data presented by TAL were 100% complete (i.e., usable). The validated volatile laboratory data are tabulated and presented in Attachment A.

2.1.2 Semivolatiles

The following items were reviewed for compliancy in the semivolatile analysis:

- Custody documentation
- Holding times

- Surrogate recoveries
- MS/MSD precision and accuracy
- LCS recoveries
- Laboratory method blank and equipment blank contamination
- GC/MS instrument performance
- Initial and continuing calibrations
- Internal standard area counts and retention times
- Field duplicate precision
- Sample result verification and identification
- Quantitation limits
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of holding times, surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, blank contamination, and continuing calibrations as discussed below.

Holding Times

All extraction and analytical holding times were within criteria for all samples with the exception of the reextracted sample MW-11A. This sample exceeded the 7-day extraction holding time by 2 days. Therefore, the reextracted results for this sample were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the high surrogate recovery for nitrobenzene-d5 (QC limit 51-108%R) in samples MW-9 (113%R), MW-10 (110%R), MW-18 (114%R), and FB-060818 (114%R); the high surrogate recovery for 2-fluorobiphenyl (QC limit 45-107%R) in sample MW-11B (109%R) and MW-10 (109%R); the low surrogate recovery for 2-fluorophenol (QC limit 25-58%R) in samples MW-18 (59%R) and FB-060818 (61%R); and the 0% recovery for the surrogates 2-fluorphenol, phenol-d5, and 2,4,6-tribromophenol in sample MW-11A. Sample MW-11A was reextracted outside holding time and reanalyzed yielding compliant surrogate recoveries. Therefore, acid fraction results from the reanalysis of this sample were reported in the validated laboratory data table in Attachment A. Validation qualification was not required for samples MW-11B, MW-9, MW-10, MW-18, and FB-060818.

It was noted that all sample surrogates diluted out in samples MW-11C and MW-16. Validation qualification was not required for these samples.

MS/MSD Precision and Accuracy

All MS/MSD precision and accuracy measurements were considered acceptable and within QC limits for designated spiked project samples with the exception of the low MSD accuracy result for 4-chloroaniline (45%R; QC limit 51-108%R) and the high MS/MSD accuracy results for 2-chloronaphthalene (107%R/107%R; QC limit 54-105%R), hexachlorobutadiene (103%R/103%R; QC limit 34-99%R), hexachloroethane (93%R/94%R; QC limit 39-92%R), naphthalene (100%R/102%R; QC limit 51-98%R), and pyrene (132%R/137%R; QC limit 63-129%R) during the spiked analyses of sample MW-11B. Validation qualification of the parent sample was not required.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the low LCS recovery for 2-chlorophenol (49%R; QC limit 54-92%R) and the high LCS recovery for di-n-octylphthalate (135%R; QC limit 64-131%R) associated with samples MW-8, MW-15, MW-101, and MW-11C; the high LCS recovery for 2,2'-oxybis(1-chloropropane) (113%R; QC limit 50-108%R) associated with all samples except MW-8, MW-15, MW-101, MW-11C, MW-18, MW-14, and FB-060818; the high LCS recovery for 2-methylphenol (81%R; QC limit 43-80%R) associated with sample MW-11A; and the high LCS recoveries for 2,4-dichlorophenol (104%R; QC limit 62-102%R), 2,4-dimethylphenol (96%R; QC limit 61-95%R), 2-nitrophenol (114%R; QC limit 58-109%R), and bis(2-chloroethoxy)methane (106%R; QC limit 67-104%R) associated with samples MW-18, MW-14, and FB-060818. Therefore, results for those compounds where LCS recoveries fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J-" and nondetected results qualified "UJ" for the affected samples. Positive results for those compounds where LCS recoveries exceeded the QC limit were considered estimated, possibly biased high, and qualified "J+" for the affected samples.

Blank Contamination

The field equipment blank FB-060818 associated with the project samples contained acetophenone below the reporting limit at a concentration of 1.3 µg/L. Therefore, results for this compound less than validation action concentrations were considered not detected and qualified "U" for the affected samples.

Continuing Calibrations

All continuing calibration compounds were compliant with a minimum RRF of 0.05 and a maximum percent difference (%D) within $\pm$20% with the exception of hexachlorocyclopentadiene (-36.6%D, -26.1%D) in the continuing calibrations associated with samples MW-8, MW-15, MW-101, and MW-11C; and isophorone (25.5%D) in the continuing calibration associated with samples MW-9, MW-12B, MW-13, and MW-16. Therefore, results for these compounds which were nondetects were considered estimated and qualified "UJ" for the affected samples.

Usability

All semivolatile sample results were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, comparability, and sensitivity. The groundwater semivolatile data presented by TAL were 100% complete (i.e., usable). The validated semivolatile laboratory data are tabulated and presented in Attachment A.

ATTACHMENT A

VALIDATED LABORATORY DATA

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-6 MW-6-20180605 460-157990-9 0 - 0 ft TALED 4601579901 WATER 6/5/2018 9:30 6/26/2018	MW-7 MW-7-20180604 460-157990-5 0 - 0 ft TALED 4601579901 WATER 6/4/2018 13:50 6/26/2018	MW-8 MW-8-20180606 460-157990-15 0 - 0 ft TALED 4601579901 WATER 6/6/2018 9:35 6/26/2018	MW-9 MW-9-20180605 460-157990-6 0 - 0 ft TALED 4601579901 WATER 6/5/2018 7:20 6/26/2018	MW-10 MW-10-20180605 460-157990-7 0 - 0 ft TALED 4601579901 WATER 6/5/2018 8:15 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-Trichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 U	1 U	1 U	1 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-34-3	1,1-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-35-4	1,1-Dichloroethene	ug/l	1 U	1 U	1 U	1 U	1 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
120-82-1	1,2,4-Trichlorobenzene	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	1 U	1 U	1 U	1 U	1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1 U	1 U	1 U	1 U	1 U
95-50-1	1,2-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
107-06-2	1,2-Dichloroethane	ug/l	1 U	1 U	1 U	1.3	1 U
78-87-5	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U
541-73-1	1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
106-46-7	1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	50 U	50 U	50 U	50 U	50 U
591-78-6	2-Hexanone	ug/l	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/l	5.1	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/l	7.4	1 U	1 U	1.1	1 U
74-97-5	Bromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-27-4	Bromodichloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-25-2	Bromoform	ug/l	1 U	1 U	1 U	1 U	1 U
74-83-9	Bromomethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-15-0	Carbon Disulfide	ug/l	1 U	1 U	1 U	1 U	1 U
56-23-5	Carbon Tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U
108-90-7	Chlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
75-00-3	Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
67-66-3	Chloroform	ug/l	1 U	1 U	1 U	1 U	1 U
74-87-3	Chloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	1 U	1 U	1 U	0.52 J	1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U
110-82-7	Cyclohexane	ug/l	1 U	1 U	1.3	0.51 J	1 U
124-48-1	Dibromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-71-8	Dichlorodifluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U
100-41-4	Ethylbenzene	ug/l	3.7	1 U	2.8	3.2	1 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	2.1	1 U	20	1.2	1 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	5 U	5 U	5 U	5 U	5 U
108-10-1	Methyl Isobutyl Ketone	ug/l	5 U	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	ug/l	1 U	1 U	13	0.64 J	1 U
75-09-2	Methylene Chloride	ug/l	1 U	1 U	1 U	1 U	1 U
100-42-5	Styrene	ug/l	1 U	1 U	1 U	2.6	1 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	1 U	1 U	1 U	1.9	1 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	1 U	1 U	1 U	1 U	1 U
108-88-3	Toluene	ug/l	0.6 J	1 U	1	21	1 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	1 U	1 U	1 U	1 U	1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U
79-01-6	Trichloroethylene (TCE)	ug/l	1 U	1 U	1 U	1 U	1 U
75-69-4	Trichlorofluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-01-4	Vinyl Chloride	ug/l	1 U	1 U	1 U	1 U	1 U
XYLENES	Xylenes, Total	ug/l	3.5	2 U	7	13	2 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-6 MW-6-20180605 460-157990-9 0 - 0 ft TALED 4601579901 WATER 6/5/2018 9:30 6/26/2018	MW-7 MW-7-20180604 460-157990-5 0 - 0 ft TALED 4601579901 WATER 6/4/2018 13:50 6/26/2018	MW-8 MW-8-20180606 460-157990-15 0 - 0 ft TALED 4601579901 WATER 6/6/2018 9:35 6/26/2018	MW-9 MW-9-20180605 460-157990-6 0 - 0 ft TALED 4601579901 WATER 6/5/2018 7:20 6/26/2018	MW-10 MW-10-20180605 460-157990-7 0 - 0 ft TALED 4601579901 WATER 6/5/2018 8:15 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-Trichlorophenol	ug/l	10 U	10 U	100 U	10 U	10 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10 U	10 U	100 U	10 U	10 U
120-83-2	2,4-Dichlorophenol	ug/l	10 U	10 U	100 U	10 U	10 U
105-67-9	2,4-Dimethylphenol	ug/l	10 U	10 U	100 U	10 U	10 U
51-28-5	2,4-Dinitrophenol	ug/l	20 U	20 U	200 U	20 U	20 U
121-14-2	2,4-Dinitrotoluene	ug/l	2 U	2 U	20 U	2 U	2 U
606-20-2	2,6-Dinitrotoluene	ug/l	2 U	2 U	20 U	2 U	2 U
91-58-7	2-Chloronaphthalene	ug/l	10 U	10 U	100 U	10 U	10 U
95-57-8	2-Chlorophenol	ug/l	10 U	10 U	100 UJ	10 U	10 U
91-57-6	2-Methylnaphthalene	ug/l	10 U	10 U	64 J	10 U	10 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 U	10 U	100 U	10 U	10 U
88-74-4	2-Nitroaniline	ug/l	10 U	10 U	100 U	10 U	10 U
88-75-5	2-Nitrophenol	ug/l	10 U	10 U	100 U	10 U	10 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	10 U	100 U	10 U	10 U
99-09-2	3-Nitroaniline	ug/l	10 U	10 U	100 U	10 U	10 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	20 U	20 U	200 U	20 U	20 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	10 U	100 U	10 U	10 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10 U	10 U	100 U	10 U	10 U
106-47-8	4-Chloroaniline	ug/l	10 U	10 U	100 U	10 U	10 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	10 U	100 U	10 U	10 U
106-44-5	4-Methylphenol (P-Cresol)	ug/l	10 U	10 U	100 U	10 U	10 U
100-01-6	4-Nitroaniline	ug/l	10 U	10 U	100 U	10 U	10 U
100-02-7	4-Nitrophenol	ug/l	20 U	20 U	200 U	20 U	20 U
83-32-9	Acenaphthene	ug/l	3.5 J	10 U	22 J	4.3 J	10 U
208-96-8	Acenaphthylene	ug/l	10 U	10 U	100 U	14	10 U
98-86-2	Acetophenone	ug/l	10 U	10 U	100 U	10 U	10 U
120-12-7	Anthracene	ug/l	10 U	10 U	100 U	10 U	10 U
1912-24-9	Atrazine	ug/l	2 U	2 U	20 U	2 U	2 U
100-52-7	Benzaldehyde	ug/l	10 U	10 U	100 U	10 U	10 U
56-55-3	Benzo(A)Anthracene	ug/l	1 U	1 U	10 U	1 U	1 U
50-32-8	Benzo(A)Pyrene	ug/l	1 U	1 U	10 U	1 U	1 U
205-99-2	Benzo(B)Fluoranthene	ug/l	2 U	2 U	20 U	2 U	2 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	10 U	100 U	10 U	10 U
207-08-9	Benzo(K)Fluoranthene	ug/l	1 U	1 U	10 U	1 U	1 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	10 U	100 U	10 U	10 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10 U	10 U	100 U	2.6 J	10 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10 U	10 U	100 U	10 U	10 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	1 U	1 U	10 U	1 U	1 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	10 U	100 U	10 U	10 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	2 U	2 U	20 U	2 U	2 U
105-60-2	Caprolactam	ug/l	10 U	10 U	100 U	10 U	10 U
86-74-8	Carbazole	ug/l	10 U	10 U	100 U	10 U	10 U
218-01-9	Chrysene	ug/l	2 U	2 U	20 U	2 U	2 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	1 U	1 U	10 U	1 U	1 U
132-64-9	Dibenzofuran	ug/l	10 U	10 U	100 U	10 U	10 U
84-66-2	Diethyl Phthalate	ug/l	10 U	10 U	100 U	10 U	10 U
131-11-3	Dimethyl Phthalate	ug/l	10 U	10 U	100 U	10 U	10 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	10 U	100 U	10 U	10 U
117-84-0	Di-N-Octylphthalate	ug/l	10 U	10 U	100 U	10 U	10 U
206-44-0	Fluoranthene	ug/l	10 U	10 U	100 U	10 U	10 U
86-73-7	Fluorene	ug/l	10 U	10 U	100 U	10 U	10 U
118-74-1	Hexachlorobenzene	ug/l	1 U	1 U	10 U	1 U	1 U
87-68-3	Hexachlorobutadiene	ug/l	1 U	1 U	10 U	1 U	1 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	10 U	100 UJ	10 U	10 U
67-72-1	Hexachloroethane	ug/l	2 U	2 U	20 U	2 U	2 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	2 U	2 U	20 U	2 U	2 U
78-59-1	Isophorone	ug/l	10 U	10 U	100 U	10 UJ	10 U
91-20-3	Naphthalene	ug/l	5.7 J	10 U	1300	20	10 U
98-95-3	Nitrobenzene	ug/l	1 U	1 U	10 U	1 U	1 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	1 U	1 U	10 U	1 U	1 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	10 U	100 U	10 U	10 U
87-86-5	Pentachlorophenol	ug/l	20 U	20 U	200 U	20 U	20 U
85-01-8	Phenanthrene	ug/l	10 U	10 U	100 U	1.3 J	10 U
108-95-2	Phenol	ug/l	10 U	10 U	100 U	10 U	10 U
129-00-0	Pyrene	ug/l	10 U	10 U	100 U	10 U	10 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-11A MW-11A-20180604 460-157990-2 0 - 0 ft TALED 4601579901 WATER 6/4/2018 10:05 6/26/2018	MW-11B MW-11B-20180604 460-157990-1 0 - 0 ft TALED 4601579901 WATER 6/4/2018 9:10 6/26/2018	Dup of MW-11B-20180604 MW-11B MW-111B-20180604 460-157990-8 0 - 0 ft TALED 4601579901 WATER 6/4/2018 14:30 6/26/2018	MW-11C MW-11C-20180606 460-157990-18 0 - 0 ft TALED 4601579901 WATER 6/6/2018 13:45 6/26/2018	MW-12A MW-12A-20180605 460-157990-11 0 - 0 ft TALED 4601579901 WATER 6/5/2018 12:15 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-Trichloroethane	ug/l	1 U	1 U	1 U	5 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	5 U	1 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 U	1 U	1 U	5 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-34-3	1,1-Dichloroethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-35-4	1,1-Dichloroethene	ug/l	1 U	1 U	1 U	5 U	1 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	1 UJ	1 UJ	1 UJ	5 UJ	1 UJ
120-82-1	1,2,4-Trichlorobenzene	ug/l	1 UJ	1 UJ	1 UJ	5 UJ	1 UJ
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	1 U	1 U	1 U	5 U	1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1 U	1 U	1 U	5 U	1 U
95-50-1	1,2-Dichlorobenzene	ug/l	1 U	1 U	1 U	5 U	1 U
107-06-2	1,2-Dichloroethane	ug/l	1 U	1 U	1 U	5 U	1 U
78-87-5	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	5 U	1 U
541-73-1	1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	5 U	1 U
106-46-7	1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	5 U	1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	50 U	50 U	50 U	250 U	50 U
591-78-6	2-Hexanone	ug/l	5 U	5 U	5 U	25 U	5 U
67-64-1	Acetone	ug/l	5 U	5 U	5 U	25 U	5 U
71-43-2	Benzene	ug/l	1 U	1 U	1 U	5 U	1 U
74-97-5	Bromochloromethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-27-4	Bromodichloromethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-25-2	Bromoform	ug/l	1 U	1 U	1 U	5 U	1 U
74-83-9	Bromomethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-15-0	Carbon Disulfide	ug/l	1 U	1 U	1 U	5 U	1 U
56-23-5	Carbon Tetrachloride	ug/l	1 U	1 U	1 U	5 U	1 U
108-90-7	Chlorobenzene	ug/l	1 U	1 U	1 U	5 U	1 U
75-00-3	Chloroethane	ug/l	1 U	1 U	1 U	5 U	1 U
67-66-3	Chloroform	ug/l	1 U	1 U	1 U	5 U	1.9
74-87-3	Chloromethane	ug/l	1 U	1 U	1 U	5 U	1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	1 U	1 U	1 U	5 U	1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	5 U	1 U
110-82-7	Cyclohexane	ug/l	1 U	1 U	1 U	38	1 U
124-48-1	Dibromochloromethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-71-8	Dichlorodifluoromethane	ug/l	1 U	1 U	1 U	5 U	1 U
100-41-4	Ethylbenzene	ug/l	1 U	1 U	1 U	140	1 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	1 U	1 U	1 U	18	1 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	25 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	5 U	5 U	5 U	25 U	5 U
108-10-1	Methyl Isobutyl Ketone	ug/l	5 U	5 U	5 U	25 U	5 U
108-87-2	Methylcyclohexane	ug/l	1 U	1 U	1 U	54	1 U
75-09-2	Methylene Chloride	ug/l	1 U	1 U	1 U	5 U	1 U
100-42-5	Styrene	ug/l	1 U	1 U	1 U	240	1 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	1 U	1 U	1 U	5 U	1 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	0.29 J	1 U	0.29 J	3 J	1 U
108-88-3	Toluene	ug/l	1 U	1 U	1 U	5 U	1 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	1 U	1 U	1 U	5 U	1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	5 U	1 U
79-01-6	Trichloroethylene (TCE)	ug/l	1 U	1 U	1 U	6.5	1 U
75-69-4	Trichlorofluoromethane	ug/l	1 U	1 U	1 U	5 U	1 U
75-01-4	Vinyl Chloride	ug/l	1 U	1 U	1 U	5 U	1 U
XYLENES	Xylenes, Total	ug/l	2 U	2 U	2 U	1700	2 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-11A MW-11A-20180604 460-157990-2 0 - 0 ft TALED 4601579901 WATER 6/4/2018 10:05 6/26/2018	MW-11B MW-11B-20180604 460-157990-1 0 - 0 ft TALED 4601579901 WATER 6/4/2018 9:10 6/26/2018	Dup of MW-11B-20180604 MW-11B MW-111B-20180604 460-157990-8 0 - 0 ft TALED 4601579901 WATER 6/4/2018 14:30 6/26/2018	MW-11C MW-11C-20180606 460-157990-18 0 - 0 ft TALED 4601579901 WATER 6/6/2018 13:45 6/26/2018	MW-12A MW-12A-20180605 460-157990-11 0 - 0 ft TALED 4601579901 WATER 6/5/2018 12:15 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-Trichlorophenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
120-83-2	2,4-Dichlorophenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
105-67-9	2,4-Dimethylphenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
51-28-5	2,4-Dinitrophenol	ug/l	20 UJ	20 U	20 U	2000 U	20 U
121-14-2	2,4-Dinitrotoluene	ug/l	2 U	2 U	2 U	200 U	2 U
606-20-2	2,6-Dinitrotoluene	ug/l	2 U	2 U	2 U	200 U	2 U
91-58-7	2-Chloronaphthalene	ug/l	10 U	10 U	10 U	1000 U	10 U
95-57-8	2-Chlorophenol	ug/l	10 UJ	10 U	10 U	1000 UJ	10 U
91-57-6	2-Methylnaphthalene	ug/l	10 U	10 U	10 U	580 J	10 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 UJ	10 U	10 U	1000 U	10 U
88-74-4	2-Nitroaniline	ug/l	10 U	10 U	10 U	1000 U	10 U
88-75-5	2-Nitrophenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	10 U	10 U	1000 U	10 U
99-09-2	3-Nitroaniline	ug/l	10 U	10 U	10 U	1000 U	10 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	20 UJ	20 U	20 U	2000 U	20 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	10 U	10 U	1000 U	10 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
106-47-8	4-Chloroaniline	ug/l	10 U	10 U	10 U	1000 U	10 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	10 U	10 U	1000 U	10 U
106-44-5	4-Methylphenol (P-Cresol)	ug/l	10 UJ	10 U	10 U	1000 U	10 U
100-01-6	4-Nitroaniline	ug/l	10 U	10 U	10 U	1000 U	10 U
100-02-7	4-Nitrophenol	ug/l	20 UJ	20 U	20 U	2000 U	20 U
83-32-9	Acenaphthene	ug/l	10 U	10 U	10 U	1000 U	10 U
208-96-8	Acenaphthylene	ug/l	10 U	10 U	10 U	1000 U	10 U
98-86-2	Acetophenone	ug/l	10 U	10 U	10 U	1000 U	10 U
120-12-7	Anthracene	ug/l	10 U	10 U	10 U	1000 U	10 U
1912-24-9	Atrazine	ug/l	2 U	2 U	2 U	200 U	2 U
100-52-7	Benzaldehyde	ug/l	10 U	10 U	10 U	1000 U	10 U
56-55-3	Benzo(A)Anthracene	ug/l	1 U	1 U	1 U	100 U	1 U
50-32-8	Benzo(A)Pyrene	ug/l	1 U	1 U	1 U	100 U	1 U
205-99-2	Benzo(B)Fluoranthene	ug/l	2 U	2 U	2 U	200 U	2 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	10 U	10 U	1000 U	10 U
207-08-9	Benzo(K)Fluoranthene	ug/l	1 U	1 U	1 U	100 U	1 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	10 U	10 U	1000 U	10 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10 U	10 U	10 U	1000 U	10 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10 U	10 U	10 U	1000 U	10 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	1 U	1 U	1 U	100 U	1 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	10 U	10 U	1000 U	10 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	2 U	2 U	2 U	200 U	2 U
105-60-2	Caprolactam	ug/l	10 U	10 U	10 U	1000 U	10 U
86-74-8	Carbazole	ug/l	10 U	10 U	10 U	1000 U	10 U
218-01-9	Chrysene	ug/l	2 U	2 U	2 U	200 U	2 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	1 U	1 U	1 U	100 U	1 U
132-64-9	Dibenzofuran	ug/l	10 U	10 U	10 U	1000 U	10 U
84-66-2	Diethyl Phthalate	ug/l	10 U	10 U	10 U	1000 U	10 U
131-11-3	Dimethyl Phthalate	ug/l	10 U	10 U	10 U	1000 U	10 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	10 U	10 U	1000 U	10 U
117-84-0	Di-N-Octylphthalate	ug/l	10 U	10 U	10 U	1000 U	10 U
206-44-0	Fluoranthene	ug/l	10 U	10 U	10 U	1000 U	10 U
86-73-7	Fluorene	ug/l	10 U	10 U	10 U	1000 U	10 U
118-74-1	Hexachlorobenzene	ug/l	1 U	1 U	1 U	100 U	1 U
87-68-3	Hexachlorobutadiene	ug/l	1 U	1 U	1 U	100 U	1 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	10 U	10 U	1000 UJ	10 U
67-72-1	Hexachloroethane	ug/l	2 U	2 U	2 U	200 U	2 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	2 U	2 U	2 U	200 U	2 U
78-59-1	Isophorone	ug/l	10 U	10 U	10 U	1000 U	10 U
91-20-3	Naphthalene	ug/l	10 U	10 U	10 U	9400	10 U
98-95-3	Nitrobenzene	ug/l	1 U	1 U	1 U	100 U	1 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	1 U	1 U	1 U	100 U	1 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	10 U	10 U	1000 U	10 U
87-86-5	Pentachlorophenol	ug/l	20 UJ	20 U	20 U	2000 U	20 U
85-01-8	Phenanthrene	ug/l	10 U	10 U	10 U	1000 U	10 U
108-95-2	Phenol	ug/l	10 UJ	10 U	10 U	1000 U	10 U
129-00-0	Pyrene	ug/l	10 U	10 U	10 U	1000 U	10 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-12B MW-12B-20180605 460-157990-12 0 - 0 ft TALED 4601579901 WATER 6/5/2018 13:15 6/26/2018	MW-13 MW-13-20180606 460-157990-13 0 - 0 ft TALED 4601579901 WATER 6/6/2018 7:20 6/26/2018	MW-14 MW-14-20180608 460-157990-20 0 - 0 ft TALED 4601579901 WATER 6/8/2018 8:28 6/26/2018	MW-15 MW-15-20180606 460-157990-16 0 - 0 ft TALED 4601579901 WATER 6/6/2018 12:15 6/26/2018	MW-16 MW-16-20180606 460-157990-14 0 - 0 ft TALED 4601579901 WATER 6/6/2018 8:20 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-Trichloroethane	ug/l	1 U	1 U	5 U	1 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	5 U	1 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 U	1 U	5 U	1 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	1 U	1 U	5 U	1 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	1 UJ	1 UJ	5 UJ	1 UJ	5 UJ
120-82-1	1,2,4-Trichlorobenzene	ug/l	1 UJ	1 UJ	5 UJ	1 UJ	5 UJ
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	1 U	1 U	5 U	1 U	5 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1 U	1 U	5 U	1 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	1 U	1 U	5 U	1 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	1 U	2.8	5 U	1.2	5 U
78-87-5	1,2-Dichloropropane	ug/l	1 U	1 U	5 U	1 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	1 U	1 U	5 U	1 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	1 U	1 U	5 U	1 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	50 U	50 U	250 U	50 U	250 U
591-78-6	2-Hexanone	ug/l	5 U	5 U	25 U	5 U	25 U
67-64-1	Acetone	ug/l	5 U	5 U	25	5 U	25 U
71-43-2	Benzene	ug/l	1 U	1 U	10	36	280
74-97-5	Bromochloromethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-27-4	Bromodichloromethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-25-2	Bromoform	ug/l	1 U	1 U	5 U	1 U	5 U
74-83-9	Bromomethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-15-0	Carbon Disulfide	ug/l	1 U	1 U	5 U	0.35 J	5 U
56-23-5	Carbon Tetrachloride	ug/l	1 U	1 U	5 U	1 U	5 U
108-90-7	Chlorobenzene	ug/l	1 U	1 U	5 U	1 U	5 U
75-00-3	Chloroethane	ug/l	1 U	1 U	5 U	1 U	5 U
67-66-3	Chloroform	ug/l	1 U	1 U	5 U	1 U	5 U
74-87-3	Chloromethane	ug/l	1 U	1 U	5 U	1 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	1 U	1 U	5 U	1 U	5 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	1 U	1 U	5 U	1 U	5 U
110-82-7	Cyclohexane	ug/l	1 U	1 U	14	4.4	26
124-48-1	Dibromochloromethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	1 U	1 U	5 U	1 U	5 U
100-41-4	Ethylbenzene	ug/l	1 U	1 U	180	64	240
98-82-8	Isopropylbenzene (Cumene)	ug/l	1 U	1 U	3.9 J	2.1	14
79-20-9	Methyl Acetate	ug/l	5 U	5 U	25 U	5 U	25 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	5 U	5 U	25 U	5 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	5 U	5 U	25 U	5 U	25 U
108-87-2	Methylcyclohexane	ug/l	1 U	1 U	18	4.4	32
75-09-2	Methylene Chloride	ug/l	1 U	1 U	5 U	1 U	5 U
100-42-5	Styrene	ug/l	1 U	1 U	390	1 U	440
1634-04-4	Tert-Butyl Methyl Ether	ug/l	1 U	260	5 U	33	5 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	1 U	1 U	5 U	1 U	5 U
108-88-3	Toluene	ug/l	1 U	1 U	1800	310	1500
156-60-5	Trans-1,2-Dichloroethene	ug/l	1 U	1 U	5 U	1 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	1 U	1 U	5 U	1 U	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	1 U	1 U	5 U	1 U	4.9 J
75-69-4	Trichlorofluoromethane	ug/l	1 U	1 U	5 U	1 U	5 U
75-01-4	Vinyl Chloride	ug/l	1 U	1 U	5 U	1 U	5 U
XYLENES	Xylenes, Total	ug/l	2 U	2 U	1200	250	1700

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-12B MW-12B-20180605 460-157990-12 0 - 0 ft TALED 4601579901 WATER 6/5/2018 13:15 6/26/2018	MW-13 MW-13-20180606 460-157990-13 0 - 0 ft TALED 4601579901 WATER 6/6/2018 7:20 6/26/2018	MW-14 MW-14-20180608 460-157990-20 0 - 0 ft TALED 4601579901 WATER 6/8/2018 8:28 6/26/2018	MW-15 MW-15-20180606 460-157990-16 0 - 0 ft TALED 4601579901 WATER 6/6/2018 12:15 6/26/2018	MW-16 MW-16-20180606 460-157990-14 0 - 0 ft TALED 4601579901 WATER 6/6/2018 8:20 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-Trichlorophenol	ug/l	10 U	10 U	500 U	52 U	500 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10 U	10 U	500 U	52 U	500 U
120-83-2	2,4-Dichlorophenol	ug/l	10 U	10 U	500 U	52 U	500 U
105-67-9	2,4-Dimethylphenol	ug/l	10 U	10 U	500 U	52 U	500 U
51-28-5	2,4-Dinitrophenol	ug/l	20 U	20 U	1000 U	100 U	1000 U
121-14-2	2,4-Dinitrotoluene	ug/l	2 U	2 U	100 U	10 U	100 U
606-20-2	2,6-Dinitrotoluene	ug/l	2 U	2 U	100 U	10 U	100 U
91-58-7	2-Chloronaphthalene	ug/l	10 U	10 U	500 U	52 U	500 U
95-57-8	2-Chlorophenol	ug/l	10 U	10 U	500 U	52 UJ	500 U
91-57-6	2-Methylnaphthalene	ug/l	10 U	10 U	300 J	15 J	290 J
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 U	10 U	500 U	52 U	500 U
88-74-4	2-Nitroaniline	ug/l	10 U	10 U	500 U	52 U	500 U
88-75-5	2-Nitrophenol	ug/l	10 U	10 U	500 U	52 U	500 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	10 U	500 U	52 U	500 U
99-09-2	3-Nitroaniline	ug/l	10 U	10 U	500 U	52 U	500 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	20 U	20 U	1000 U	100 U	1000 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	10 U	500 U	52 U	500 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10 U	10 U	500 U	52 U	500 U
106-47-8	4-Chloroaniline	ug/l	10 U	10 U	500 U	52 U	500 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	10 U	500 U	52 U	500 U
106-44-5	4-Methylphenol (P-Cresol)	ug/l	10 U	10 U	500 U	52 U	500 U
100-01-6	4-Nitroaniline	ug/l	10 U	10 U	500 U	52 U	500 U
100-02-7	4-Nitrophenol	ug/l	20 U	20 U	1000 U	100 U	1000 U
83-32-9	Acenaphthene	ug/l	10 U	10 U	500 U	52 U	500 U
208-96-8	Acenaphthylene	ug/l	10 U	10 U	210 J	24 J	53 J
98-86-2	Acetophenone	ug/l	10 U	10 U	500 U	52 U	500 U
120-12-7	Anthracene	ug/l	10 U	10 U	500 U	52 U	500 U
1912-24-9	Atrazine	ug/l	2 U	2 U	100 U	10 U	100 U
100-52-7	Benzaldehyde	ug/l	10 U	10 U	500 U	52 U	500 U
56-55-3	Benzo(A)Anthracene	ug/l	1 U	1 U	50 U	5.2 U	50 U
50-32-8	Benzo(A)Pyrene	ug/l	1 U	1 U	50 U	5.2 U	50 U
205-99-2	Benzo(B)Fluoranthene	ug/l	2 U	2 U	100 U	10 U	100 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	10 U	500 U	52 U	500 U
207-08-9	Benzo(K)Fluoranthene	ug/l	1 U	1 U	50 U	5.2 U	50 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	10 U	500 U	52 U	500 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10 U	10 U	500 U	52 U	500 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10 U	10 U	500 U	52 U	500 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	1 U	1 U	50 U	5.2 U	50 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	10 U	500 U	52 U	500 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	2 U	2 U	100 U	10 U	100 U
105-60-2	Caprolactam	ug/l	10 U	10 U	500 U	52 U	500 U
86-74-8	Carbazole	ug/l	10 U	10 U	500 U	52 U	500 U
218-01-9	Chrysene	ug/l	2 U	2 U	100 U	10 U	100 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	1 U	1 U	50 U	5.2 U	50 U
132-64-9	Dibenzofuran	ug/l	10 U	10 U	500 U	52 U	500 U
84-66-2	Diethyl Phthalate	ug/l	10 U	10 U	500 U	52 U	500 U
131-11-3	Dimethyl Phthalate	ug/l	10 U	10 U	500 U	52 U	500 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	10 U	500 U	52 U	500 U
117-84-0	Di-N-Octylphthalate	ug/l	10 U	10 U	500 U	52 U	500 U
206-44-0	Fluoranthene	ug/l	10 U	10 U	500 U	52 U	500 U
86-73-7	Fluorene	ug/l	10 U	10 U	500 U	52 U	500 U
118-74-1	Hexachlorobenzene	ug/l	1 U	1 U	50 U	5.2 U	50 U
87-68-3	Hexachlorobutadiene	ug/l	1 U	1 U	50 U	5.2 U	50 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	10 U	500 U	52 UJ	500 U
67-72-1	Hexachloroethane	ug/l	2 U	2 U	100 U	10 U	100 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	2 U	2 U	100 U	10 U	100 U
78-59-1	Isophorone	ug/l	10 UJ	10 UJ	500 U	52 U	500 UJ
91-20-3	Naphthalene	ug/l	10 U	10 U	4300	760	6700
98-95-3	Nitrobenzene	ug/l	1 U	1 U	50 U	5.2 U	50 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	1 U	1 U	50 U	5.2 U	50 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	10 U	500 U	52 U	500 U
87-86-5	Pentachlorophenol	ug/l	20 U	20 U	1000 U	100 U	1000 U
85-01-8	Phenanthrene	ug/l	10 U	10 U	37 J	52 U	500 U
108-95-2	Phenol	ug/l	10 U	10 U	500 U	52 U	500 U
129-00-0	Pyrene	ug/l	10 U	10 U	500 U	52 U	500 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-17 MW-17-20180604 460-157990-3 0 - 0 ft TALED 4601579901 WATER 6/4/2018 11:15 6/26/2018	MW-18 MW-18-20180608 460-157990-19 0 - 0 ft TALED 4601579901 WATER 6/8/2018 8:25 6/26/2018	MW-19 MW-19-20180604 460-157990-4 0 - 0 ft TALED 4601579901 WATER 6/4/2018 12:55 6/26/2018	MW-20 MW-20-20180605 460-157990-10 0 - 0 ft TALED 4601579901 WATER 6/5/2018 10:45 6/26/2018	MW-101 MW-101-20180606 460-157990-17 0 - 0 ft TALED 4601579901 WATER 6/6/2018 10:35 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-Trichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 U	1 U	1 U	1 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-34-3	1,1-Dichloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-35-4	1,1-Dichloroethene	ug/l	1 U	1 U	1 U	1 U	1 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
120-82-1	1,2,4-Trichlorobenzene	ug/l	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	1 U	1 U	1 U	1 U	1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1 U	1 U	1 U	1 U	1 U
95-50-1	1,2-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
107-06-2	1,2-Dichloroethane	ug/l	1 U	0.72 J	1 U	1 U	1 U
78-87-5	1,2-Dichloropropane	ug/l	1 U	1 U	1 U	1 U	1 U
541-73-1	1,3-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
106-46-7	1,4-Dichlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	50 U	50 U	50 U	50 U	50 U
591-78-6	2-Hexanone	ug/l	5 U	5 U	5 U	5 U	5 U
67-64-1	Acetone	ug/l	5 U	5 U	5 U	5 U	5 U
71-43-2	Benzene	ug/l	1 U	43	1 U	1 U	2.9
74-97-5	Bromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-27-4	Bromodichloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-25-2	Bromoform	ug/l	1 U	1 U	1 U	1 U	1 U
74-83-9	Bromomethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-15-0	Carbon Disulfide	ug/l	1 U	1 U	1 U	1 U	1 U
56-23-5	Carbon Tetrachloride	ug/l	1 U	1 U	1 U	1 U	1 U
108-90-7	Chlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
75-00-3	Chloroethane	ug/l	1 U	1 U	1 U	1 U	1 U
67-66-3	Chloroform	ug/l	1 U	1 U	1 U	1 U	1 U
74-87-3	Chloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	1 U	0.27 J	1 U	1 U	1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U
110-82-7	Cyclohexane	ug/l	1 U	4.7	1 U	1 U	4.7
124-48-1	Dibromochloromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-71-8	Dichlorodifluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U
100-41-4	Ethylbenzene	ug/l	1 U	27	1 U	1 U	1 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	1 U	4.7	1 U	1 U	0.51 J
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	5 U	5 U	5 U	5 U	5 U
108-10-1	Methyl Isobutyl Ketone	ug/l	5 U	5 U	5 U	5 U	5 U
108-87-2	Methylcyclohexane	ug/l	1 U	3.8	1 U	1 U	1.4
75-09-2	Methylene Chloride	ug/l	1 U	1 U	1 U	1 U	1 U
100-42-5	Styrene	ug/l	1 U	1 U	1 U	1 U	1 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	1 U	2	1 U	1 U	1 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	1 U	1 U	1 U	1 U	1 U
108-88-3	Toluene	ug/l	1 U	34	1 U	1 U	0.4 J
156-60-5	Trans-1,2-Dichloroethene	ug/l	1 U	1 U	1 U	1 U	1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	1 U	1 U	1 U	1 U	1 U
79-01-6	Trichloroethylene (TCE)	ug/l	1 U	0.8 J	1 U	1 U	1 U
75-69-4	Trichlorofluoromethane	ug/l	1 U	1 U	1 U	1 U	1 U
75-01-4	Vinyl Chloride	ug/l	1 U	1 U	1 U	1 U	1 U
XYLENES	Xylenes, Total	ug/l	2 U	170	2 U	2 U	2 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	MW-17 MW-17-20180604 460-157990-3 0 - 0 ft TALED 4601579901 WATER 6/4/2018 11:15 6/26/2018	MW-18 MW-18-20180608 460-157990-19 0 - 0 ft TALED 4601579901 WATER 6/8/2018 8:25 6/26/2018	MW-19 MW-19-20180604 460-157990-4 0 - 0 ft TALED 4601579901 WATER 6/4/2018 12:55 6/26/2018	MW-20 MW-20-20180605 460-157990-10 0 - 0 ft TALED 4601579901 WATER 6/5/2018 10:45 6/26/2018	MW-101 MW-101-20180606 460-157990-17 0 - 0 ft TALED 4601579901 WATER 6/6/2018 10:35 6/26/2018
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-95-4	2,4,5-Trichlorophenol	ug/l	10 U	10 U	10 U	10 U	10 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10 U	10 U	10 U	10 U	10 U
120-83-2	2,4-Dichlorophenol	ug/l	10 U	10 U	10 U	10 U	10 U
105-67-9	2,4-Dimethylphenol	ug/l	10 U	10 U	10 U	10 U	10 U
51-28-5	2,4-Dinitrophenol	ug/l	20 U	20 U	20 U	20 U	20 U
121-14-2	2,4-Dinitrotoluene	ug/l	2 U	2 U	2 U	2 U	2 U
606-20-2	2,6-Dinitrotoluene	ug/l	2 U	2 U	2 U	2 U	2 U
91-58-7	2-Chloronaphthalene	ug/l	10 U	10 U	10 U	10 U	10 U
95-57-8	2-Chlorophenol	ug/l	10 U	10 U	10 U	10 U	10 UJ
91-57-6	2-Methylnaphthalene	ug/l	10 U	10 U	10 U	10 U	10 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 U	10 U	10 U	10 U	10 U
88-74-4	2-Nitroaniline	ug/l	10 U	10 U	10 U	10 U	10 U
88-75-5	2-Nitrophenol	ug/l	10 U	10 U	10 U	10 U	10 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	10 U	10 U	10 U	10 U
99-09-2	3-Nitroaniline	ug/l	10 U	10 U	10 U	10 U	10 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	20 U	20 U	20 U	20 U	20 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	10 U	10 U	10 U	10 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10 U	10 U	10 U	10 U	10 U
106-47-8	4-Chloroaniline	ug/l	10 U	10 U	10 U	10 U	10 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	10 U	10 U	10 U	10 U
106-44-5	4-Methylphenol (P-Cresol)	ug/l	10 U	10 U	10 U	10 U	10 U
100-01-6	4-Nitroaniline	ug/l	10 U	10 U	10 U	10 U	10 U
100-02-7	4-Nitrophenol	ug/l	20 U	20 U	20 U	20 U	20 U
83-32-9	Acenaphthene	ug/l	10 U	5.1 J	10 U	10 U	20
208-96-8	Acenaphthylene	ug/l	10 U	19	10 U	10 U	10 U
98-86-2	Acetophenone	ug/l	10 U	10 U	10 U	10 U	10 U
120-12-7	Anthracene	ug/l	10 U	10 U	10 U	10 U	10 U
1912-24-9	Atrazine	ug/l	2 U	2 U	2 U	2 U	2 U
100-52-7	Benzaldehyde	ug/l	10 U	10 U	10 U	10 U	10 U
56-55-3	Benzo(A)Anthracene	ug/l	1 U	1 U	1 U	1 U	1 U
50-32-8	Benzo(A)Pyrene	ug/l	1 U	1 U	1 U	1 U	1 U
205-99-2	Benzo(B)Fluoranthene	ug/l	2 U	2 U	2 U	2 U	2 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	10 U	10 U	10 U	10 U
207-08-9	Benzo(K)Fluoranthene	ug/l	1 U	1 U	1 U	1 U	1 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	10 U	10 U	10 U	10 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10 U	4.6 J	10 U	10 U	10 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10 U	10 U	10 U	10 U	10 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	1 U	1 U	1 U	1 U	1 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	10 U	10 U	10 U	10 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	2 U	2 U	2 U	2 U	2 U
105-60-2	Caprolactam	ug/l	10 U	10 U	10 U	10 U	10 U
86-74-8	Carbazole	ug/l	10 U	0.98 J	10 U	10 U	10 U
218-01-9	Chrysene	ug/l	2 U	2 U	2 U	2 U	2 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	1 U	1 U	1 U	1 U	1 U
132-64-9	Dibenzofuran	ug/l	10 U	10 U	10 U	10 U	10 U
84-66-2	Diethyl Phthalate	ug/l	10 U	10 U	10 U	10 U	10 U
131-11-3	Dimethyl Phthalate	ug/l	10 U	10 U	10 U	10 U	10 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	10 U	10 U	10 U	10 U
117-84-0	Di-N-Octylphthalate	ug/l	10 U	10 U	10 U	10 U	10 U
206-44-0	Fluoranthene	ug/l	10 U	10 U	10 U	10 U	10 U
86-73-7	Fluorene	ug/l	10 U	10 U	10 U	10 U	10 U
118-74-1	Hexachlorobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
87-68-3	Hexachlorobutadiene	ug/l	1 U	1 U	1 U	1 U	1 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	10 U	10 U	10 U	10 UJ
67-72-1	Hexachloroethane	ug/l	2 U	2 U	2 U	2 U	2 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	2 U	2 U	2 U	2 U	2 U
78-59-1	Isophorone	ug/l	10 U	10 U	10 U	10 U	10 U
91-20-3	Naphthalene	ug/l	10 U	80	10 U	10 U	1.6 J
98-95-3	Nitrobenzene	ug/l	1 U	1 U	1 U	1 U	1 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	1 U	1 U	1 U	1 U	1 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	10 U	10 U	10 U	10 U
87-86-5	Pentachlorophenol	ug/l	20 U	20 U	20 U	20 U	20 U
85-01-8	Phenanthrene	ug/l	10 U	2.1 J	10 U	10 U	10 U
108-95-2	Phenol	ug/l	10 U	0.73 J	10 U	10 U	10 U
129-00-0	Pyrene	ug/l	10 U	10 U	10 U	10 U	10 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	FIELDQC FB-060818 460-157990-22 0 - 0 ft TALED 4601579901 WATER 6/8/2018 10:15 6/26/2018	FIELDDQC TB-060818 460-157990-21 0 - 0 ft TALED 4601579901 WATER 6/8/2018 6/26/2018
CAS NO.	COMPOUND	UNITS:		
	VOLATILES			
71-55-6	1,1,1-Trichloroethane	ug/l	1 U	1 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	1 U	1 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	1 U	1 U
79-00-5	1,1,2-Trichloroethane	ug/l	1 U	1 U
75-34-3	1,1-Dichloroethane	ug/l	1 U	1 U
75-35-4	1,1-Dichloroethene	ug/l	1 U	1 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	1 UJ	1 UJ
120-82-1	1,2,4-Trichlorobenzene	ug/l	1 UJ	1 UJ
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	1 U	1 U
106-93-4	1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1 U	1 U
95-50-1	1,2-Dichlorobenzene	ug/l	1 U	1 U
107-06-2	1,2-Dichloroethane	ug/l	1 U	1 U
78-87-5	1,2-Dichloropropane	ug/l	1 U	1 U
541-73-1	1,3-Dichlorobenzene	ug/l	1 U	1 U
106-46-7	1,4-Dichlorobenzene	ug/l	1 U	1 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	50 U	50 U
591-78-6	2-Hexanone	ug/l	5 U	5 U
67-64-1	Acetone	ug/l	5 U	5 U
71-43-2	Benzene	ug/l	1 U	1 U
74-97-5	Bromochloromethane	ug/l	1 U	1 U
75-27-4	Bromodichloromethane	ug/l	1 U	1 U
75-25-2	Bromoform	ug/l	1 U	1 U
74-83-9	Bromomethane	ug/l	1 U	1 U
75-15-0	Carbon Disulfide	ug/l	1 U	1 U
56-23-5	Carbon Tetrachloride	ug/l	1 U	1 U
108-90-7	Chlorobenzene	ug/l	1 U	1 U
75-00-3	Chloroethane	ug/l	1 U	1 U
67-66-3	Chloroform	ug/l	1 U	1 U
74-87-3	Chloromethane	ug/l	1 U	1 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	1 U	1 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	1 U	1 U
110-82-7	Cyclohexane	ug/l	1 U	1 U
124-48-1	Dibromochloromethane	ug/l	1 U	1 U
75-71-8	Dichlorodifluoromethane	ug/l	1 U	1 U
100-41-4	Ethylbenzene	ug/l	1 U	1 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	1 U	1 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	5 U	5 U
108-10-1	Methyl Isobutyl Ketone	ug/l	5 U	5 U
108-87-2	Methylcyclohexane	ug/l	1 U	1 U
75-09-2	Methylene Chloride	ug/l	0.41 J	0.35 J
100-42-5	Styrene	ug/l	1 U	1 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	1 U	1 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	1 U	1 U
108-88-3	Toluene	ug/l	1 U	1 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	1 U	1 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	1 U	1 U
79-01-6	Trichloroethylene (TCE)	ug/l	1 U	1 U
75-69-4	Trichlorofluoromethane	ug/l	1 U	1 U
75-01-4	Vinyl Chloride	ug/l	1 U	1 U
XYLENES	Xylenes, Total	ug/l	2 U	2 U

Con Ed - White Plains Validated Groundwater Analytical Data June 2018 SDGs: 460-157990-1		Location ID: Sample ID: Lab Sample Id: Depth: Source: SDG: Matrix: Sampled: Validated:	FIELDQC FB-060818 460-157990-22 0 - 0 ft TALED 4601579901 WATER 6/8/2018 10:15 6/26/2018	FIELDDQC TB-060818 460-157990-21 0 - 0 ft TALED 4601579901 WATER 6/8/2018 6/26/2018
CAS NO.	COMPOUND	UNITS:		
	SEMIVOLATILES			
95-95-4	2,4,5-Trichlorophenol	ug/l	10 U	
88-06-2	2,4,6-Trichlorophenol	ug/l	10 U	
120-83-2	2,4-Dichlorophenol	ug/l	10 U	
105-67-9	2,4-Dimethylphenol	ug/l	10 U	
51-28-5	2,4-Dinitrophenol	ug/l	20 U	
121-14-2	2,4-Dinitrotoluene	ug/l	2 U	
606-20-2	2,6-Dinitrotoluene	ug/l	2 U	
91-58-7	2-Chloronaphthalene	ug/l	10 U	
95-57-8	2-Chlorophenol	ug/l	10 U	
91-57-6	2-Methylnaphthalene	ug/l	10 U	
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 U	
88-74-4	2-Nitroaniline	ug/l	10 U	
88-75-5	2-Nitrophenol	ug/l	10 U	
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	
99-09-2	3-Nitroaniline	ug/l	10 U	
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	20 U	
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	
59-50-7	4-Chloro-3-Methylphenol	ug/l	10 U	
106-47-8	4-Chloroaniline	ug/l	10 U	
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	
106-44-5	4-Methylphenol (P-Cresol)	ug/l	10 U	
100-01-6	4-Nitroaniline	ug/l	10 U	
100-02-7	4-Nitrophenol	ug/l	20 U	
83-32-9	Acenaphthene	ug/l	10 U	
208-96-8	Acenaphthylene	ug/l	10 U	
98-86-2	Acetophenone	ug/l	1.3 J	
120-12-7	Anthracene	ug/l	10 U	
1912-24-9	Atrazine	ug/l	2 U	
100-52-7	Benzaldehyde	ug/l	10 U	
56-55-3	Benzo(A)Anthracene	ug/l	1 U	
50-32-8	Benzo(A)Pyrene	ug/l	1 U	
205-99-2	Benzo(B)Fluoranthene	ug/l	2 U	
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	
207-08-9	Benzo(K)Fluoranthene	ug/l	1 U	
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	
92-52-4	Biphenyl (Diphenyl)	ug/l	10 U	
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10 U	
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	1 U	
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	2 U	
105-60-2	Caprolactam	ug/l	10 U	
86-74-8	Carbazole	ug/l	10 U	
218-01-9	Chrysene	ug/l	2 U	
53-70-3	Dibenz(A,H)Anthracene	ug/l	1 U	
132-64-9	Dibenzofuran	ug/l	10 U	
84-66-2	Diethyl Phthalate	ug/l	10 U	
131-11-3	Dimethyl Phthalate	ug/l	10 U	
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	
117-84-0	Di-N-Octylphthalate	ug/l	10 U	
206-44-0	Fluoranthene	ug/l	10 U	
86-73-7	Fluorene	ug/l	10 U	
118-74-1	Hexachlorobenzene	ug/l	1 U	
87-68-3	Hexachlorobutadiene	ug/l	1 U	
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	
67-72-1	Hexachloroethane	ug/l	2 U	
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	2 U	
78-59-1	Isophorone	ug/l	10 U	
91-20-3	Naphthalene	ug/l	10 U	
98-95-3	Nitrobenzene	ug/l	1 U	
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	1 U	
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	
87-86-5	Pentachlorophenol	ug/l	20 U	
85-01-8	Phenanthrene	ug/l	10 U	
108-95-2	Phenol	ug/l	10 U	
129-00-0	Pyrene	ug/l	10 U	