



Consolidated Edison Company
of New York, Inc.
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September 29, 2016

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.
May 2016 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 May 2016 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 May 24 through 27, 2016. 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 and the results are depicted in Figures 3 and 4, respectively. QA/QC procedures were implemented as described in the NYSDEC approved OU-1 RAWP (Parsons, 2007). Laboratory analyses of groundwater samples were conducted by Chemtech of Mountainside, 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, matrix spikes/matrix spike duplicates, etc.).

Groundwater Level Measurements

Prior to sampling activities, groundwater levels were gauged at the Site's monitoring well locations on May 24, 2016 with the exception of MW-12C. DNAPL was present in MW-12C and recovery efforts were planned for later in the week as described in the next section. In addition, information from other wells in the cluster (i.e., MW-12A and MW-12-B) could be used for development of the groundwater contour map. 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). In addition, the Site's piezometers and recovery wells were also gauged during this event. Groundwater was encountered in the monitoring wells at elevations ranging from 181.11 (MW-6) to 176.27 (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 5). 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

Groundwater and DNAPL levels in MW-12C were gauged on May 27, 2016. DNAPL was present at the bottom of MW-12C. A dedicated submersible pump was utilized to remove DNAPL from the bottom of the well. Approximately one (1) gallon of DNAPL was recovered from MW-12C. Additionally, an absorbent sock was lowered to the bottom of MW-12C in a sock canister for purposes of passive DNAPL removal. The absorbent sock will be removed during the November 2016 Groundwater Event for observation.

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 and disposed of by Parsons subcontractor, Clean Venture

of Elizabeth, New Jersey (a RCRA Part B permitted Transfer, Storage and Disposal Facility (TSDF)).

May 2016 Groundwater Sampling - Field Observations

Measureable amounts of DNAPL were observed at MW-12C during the May 2016 groundwater sampling event. In addition, coal tar was noted on the probe in RW-3 and RW-4 (see Table 1A). 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. Figure 3 presents a summary of total BTEX and total VOC concentrations and Figure 4 presents a summary of total PAH and total SVOC concentrations detected in groundwater samples collected during the May 2016 semi-annual groundwater sampling event. Analytical results from the groundwater investigation are summarized below.

VOCs

A total of fourteen (14) 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, o-xylene, m/p-xylene, 1,2-dichloroethane, and tetrachloroethylene) were detected at concentrations exceeding their AWQSGVs. 1,2-dichloroethane and tetrachloroethylene are chlorinated Volatile Organic Compounds (CVOCs). CVOCs are not MGP-related compounds and are not associated with operations of the former manufactured gas plant site.

No VOCs were detected above AWQSGVs in nine (9) 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 and on Figure 3.

SVOCs

A total of six (6) SVOCs and nine (9) PAHs were detected at least once in the groundwater samples collected during the semi-annual groundwater sampling event. Of these, two (2) SVOCs (biphenyl, and 3-and4-methylphenol) and two (2) PAHs (fluorene and naphthalene) were detected at concentrations exceeding their AWQSGVs. Biphenyl was detected above its AWQSGV in four (4) monitoring wells (MW-8, MW-11C, MW-14, and MW-16). 3-and 4-methylphenol was detected above its AWQSGVs in one (1) monitoring well (MW-14). Fluorene was detected above its AWQSGV in one (1) monitoring well (MW-11C).

Naphthalene was detected above its AWQSGV in five (5) monitoring wells (MW-8, MW-11C, MW-14, MW-15, MW-16, and MW-18).

No SVOCs or PAHs were detected above AWQSGVs in thirteen (13) monitoring wells (MW-6, MW-7, MW-9, 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 and on Figure 4.

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

The results of the groundwater sampling activities conducted at the Site in May 2016 generally indicate consistency with data obtained during previous groundwater sampling events.

Total BTEX and total VOC concentrations are within the range previously detected in each monitoring well with the exception of MW-101. BTEX and total VOC concentrations in MW-101 exhibited a historical low. 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 May 2016 groundwater sampling event.

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

Total PAH and SVOC concentrations are within the range previously detected in each monitoring well with the exception of MW-8, MW-11A, MW-11C, MW-14, and MW-101. Total PAH and SVOC concentrations in MW-101 exhibited a historical low. Total PAH and SVOC concentrations in MW-8, MW-11C, and MW-14 exhibited historical highs. Total SVOC concentrations in MW-11A exhibited a historical high for this specific well. However, the detected SVOC in this well was below its AWQGV. Total SVOC

concentrations were at non-detect levels in monitoring wells MW-10, MW-12A, MW-12B, MW-13 and MW-17 during the May 2016 groundwater sampling event.

Total SVOC concentrations in monitoring wells MW-6, MW-7, MW-10, MW-11A, MW-11B, MW-12A, MW-13, MW-17, MW-19, and MW-20 have frequently been below detection limits during the various groundwater sampling events. Concentrations have generally decreased over time in monitoring wells MW-9 and MW-101.

DNAPL continues to be observed within the sump of monitoring well MW-12C. DNAPL recovery utilizing a dedicated submersible pump was conducted during the May 2016 groundwater sampling event. Approximately 1 gallon of DNAPL was recovered. Passive DNAPL recovery in the form of an absorbent sock in MW-12C will continue until November 2016. Based on field observations during the November 2016 sock recovery at MW-12C, a determination will be made regarding additional DNAPL recovery methods.

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 May 2016 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. Semi-annual groundwater sampling will continue for another round through the end of 2016 to conclude that the layer of clean groundwater beneath the St. John's Church property portion of the Site continues to be present.

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

Sincerely,



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
Mary Ellen Conlin, Ph.D. Con Edison
Kenneth Kaiser, P.E., BCEE, 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	6.71	181.11	ND	5 - 15	16.04
MW-7	189.51	9.53	179.98	ND	7 - 17	15.94
MW-8	202.08	23.52	178.56	ND	20 - 40	39.40
SB-1	189.10	No longer exists				
TB-5	189.50	No longer exists				
RW-1	204.60	25.51	179.09	ND	16 - 51	44.94
RW-2	200.05	22.65	177.40	ND	18 - 48	44.30
RW-3	203.60	24.97	178.63	Coal tar on probe	20 - 50	51.88
RW-4	200.90	23.57	177.33	Coal tar on probe	17 - 57	52.75
RW-5	200.04	22.65	177.39	ND	14 - 54	50.90
RW-6	203.55	24.77	178.78	ND	19 - 49	48.80
RW-7	203.97	23.92	180.05	ND	17.5 - 47.5	45.67
PZ-1	203.63	24.72	178.91	ND	15 - 35	36.50
PZ-2	203.59	24.60	178.99	ND	15 - 35	35.40
PZ-3	200.21	23.80	176.41	ND	15 - 35	34.85
PZ-4	200.14	23.86	176.28	ND	15 - 35	34.60
MW-101	203.07	25.55	177.52	ND	NA	60.25

AMSL = Above Mean Sea Level
Gauging conducted on May 24, 2016

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	21.15	177.30	ND	NA	52 - 62	49.72
MW-11A	201.82	24.43	177.39	ND	NA	40 - 50	26.73
MW-11B	201.97	24.68	177.29	ND	NA	22 - 27	35.88
MW-11C	201.74	24.50	177.24	ND	NA	31 - 36	49.85
MW-12A	205.13	27.76	177.37	ND	NA	40 - 50	30.54
MW-12B	204.96	27.77	177.19	ND	NA	21 - 36	44.45
MW-12C	205.14	--	--	58.97 ²	~1 ²	38 - 45	59.97
MW-13	204.84	27.96	176.88	ND	NA	50 - 60	64.44
MW-14	205.00	28.28	176.72	ND	NA	55 - 65	64.35
MW-15	207.60	31.10	176.50	ND	NA	55 - 65	66.51
MW-16	205.96	29.05	176.91	ND	NA	57 - 67	64.38
MW-17	204.95	27.97	176.98	ND	NA	55 - 65	49.84
MW-9	207.34	30.69	176.65	ND	NA	38 - 50	61.80
MW-18	208.9	32.63	176.27	ND	NA	60 - 70	71.6
MW-19	188.24	8.80	179.44	ND	NA	5 - 20	20.09
MW-20	191.58	14.62	176.96	ND	NA	5 - 20	19.82

AMSL = Above Mean Sea Level

Gauging conducted on May 24, 2016

(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.

Table 2
Summary of Groundwater Analytical Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2016 Detected Compound Summary		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id:	MW- 6 MW-6-20160524 H3272-03	MW- 7 MW-7-20160524 H3272-02	MW- 8 MW-8-20160526 H3344-01	MW- 9 MW-9-20160526 H3344-03	MW-10 MW-10-20160525 H3291-03	MW-11A MW-11A-20160524 H3272-05
			Source: SDG: Matrix: Sampled: Validated:	CTECH H3272 WATER 5/24/2016 12:35 6/23/2016	CTECH H3272 WATER 5/24/2016 11:15 6/23/2016	CTECH H3344 WATER 5/26/2016 8:10 6/23/2016	CTECH H3344 WATER 5/26/2016 10:25 6/23/2016	CTECH H3291 WATER 5/25/2016 12:50 6/23/2016	CTECH H3272 WATER 5/24/2016 13:00 6/23/2016
CAS NO.	COMPOUND		UNITS:						
VOLATILES									
110-82-7	Cyclohexane	NS	ug/l	ND	ND	ND	ND	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	1.7 J	ND	13	ND	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	ND	ND	7.3	ND	ND	ND
100-42-5	Styrene	5	ug/l	ND	ND	ND	2 J	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND	ND	5.5	ND	ND
BTEX									
71-43-2	Benzene	1	ug/l	11.3	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	ug/l	2 J	ND	1.7 J	1.2 J	ND	ND
108-88-3	Toluene	5	ug/l	0.4 J	ND	ND	8	ND	ND
179601-23-1	m,p-Xylene	5	ug/l	ND	ND	2.6 J	2 J	ND	ND
95-47-6	O-Xylene (1,2-Dimethylbenzene)	5	ug/l	2 J	ND	0.91 J	2.4 J	ND	ND
CVOC									
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	1.5 J	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	0.87 J	ND	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	ND	0.84 J	ND	ND
Total VOCs				17.4	ND	25.51	24.31	ND	ND
SEMIVOLATILES									
100-52-7	Benzaldehyde	NS	ug/l	ND	ND	ND	ND	ND	ND
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND	6.9 J	ND	ND	ND
86-74-8	Carbazole	NS	ug/l	ND	ND	ND	ND	ND	ND
132-64-9	Dibenzofuran	NS	ug/l	ND	ND	ND	ND	ND	ND
131-11-3	Dimethyl Phthalate	50 (G)	ug/l	3.4 J	3.6 J	ND	ND	ND	3.2 J
MEPH3MEPH	3- And 4- Methylphenol (Total)	1	ug/l	ND	ND	ND	ND	ND	ND
PAHs									
83-32-9	Acenaphthene	20 (G)	ug/l	9.3 J	ND	18.7	ND	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	ND	ND	ND	2.7 J	ND	ND
120-12-7	Anthracene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
86-73-7	Fluorene	50 (G)	ug/l	ND	ND	4.2 J	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND	65.8 J	ND	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	ND	ND	1500	4.9 J	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	3.1 J	ND	ND	ND
129-00-0	Pyrene	50 (G)	ug/l	ND	ND	ND	ND	ND	ND
Total PAHs				9.3	ND	1591.8	7.6	ND	ND
Total SVOCs				12.7	3.6	1598.7	7.6	ND	3.2

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 Groundwater Analytical Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2016 Detected Compound Summary		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-20160524 H3272-06 CTECH H3272 WATER 5/24/2016 14:00 6/23/2016	Dup of MW-11B-20160524 MW-11B MW-11B-20160524 H3272-09 CTECH H3272 WATER 5/24/2016 14:00 6/23/2016	MW-11C MW-11C-20160527 H3345-03 CTECH H3345 WATER 5/27/2016 10:30 6/23/2016	MW-12A MW-12A-20160525 H3291-01 CTECH H3291 WATER 5/25/2016 9:45 6/23/2016	MW-12B MW-12B-20160525 H3291-02 CTECH H3291 WATER 5/25/2016 10:45 6/23/2016	MW-13 MW-13-20160526 H3344-02 CTECH H3344 WATER 5/26/2016 9:20 6/23/2016
CAS NO.	COMPOUND								
	VOLATILES								
110-82-7	Cyclohexane	NS	ug/l	ND	ND	38.8	ND	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	ND	18.6	ND	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	ND	ND	71.4	ND	ND	ND
100-42-5	Styrene	5	ug/l	ND	ND	350	ND	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	ND	ND	ND	ND	230
	BTEX								
71-43-2	Benzene	1	ug/l	ND	ND	ND	ND	ND	ND
100-41-4	Ethylbenzene	5	ug/l	ND	ND	180	ND	ND	ND
108-88-3	Toluene	5	ug/l	ND	ND	3.2 J	ND	ND	ND
179601-23-1	m,p-Xylene	5	ug/l	ND	ND	1200	ND	ND	ND
95-47-6	O-Xylene (1,2-Dimethylbenzene)	5	ug/l	ND	ND	680	ND	ND	ND
	CVOC								
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	ND	2.1 J
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	ND	6.1	ND	ND	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND	4.8 J	ND	ND	ND
	Total VOCs			ND	ND	2552.9	ND	ND	232.1
	SEMIVOLATILES								
100-52-7	Benzaldehyde	NS	ug/l	ND	ND	ND	ND	ND	ND
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND	63.1	ND	ND	ND
86-74-8	Carbazole	NS	ug/l	ND	ND	9.7 J	ND	ND	ND
132-64-9	Dibenzofuran	NS	ug/l	ND	ND	4.6 J	ND	ND	ND
131-11-3	Dimethyl Phthalate	50 (G)	ug/l	2.4 J	ND	9.5 J	ND	ND	ND
MEPH3MEPH	3- And 4- Methylphenol (Total)	1	ug/l	ND	ND	ND	ND	ND	ND
	PAHs								
83-32-9	Acenaphthene	20 (G)	ug/l	ND	ND	18.4	ND	ND	ND
208-96-8	Acenaphthylene	NS	ug/l	ND	ND	65	ND	ND	ND
120-12-7	Anthracene	50 (G)	ug/l	ND	ND	5.8 J	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	ug/l	ND	ND	3 J	ND	ND	ND
86-73-7	Fluorene	50 (G)	ug/l	ND	ND	51.5	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND	2300 J	ND	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	ND	ND	32300	ND	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND	43.7	ND	ND	ND
129-00-0	Pyrene	50 (G)	ug/l	ND	ND	3.5 J	ND	ND	ND
	Total PAHs			ND	ND	34790.9	ND	ND	ND
	Total SVOCs			2.4	ND	34877.8	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 Groundwater Analytical Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2016 Detected Compound Summary		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated: UNITS:	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19
				MW-14-20160527	MW-15-20160526	MW-16-20160527	MW-17-20160525	MW-18-20160526	MW-19-20160524
				H3345-02	H3344-06	H3345-01	H3291-04	H3344-05	H3272-01
		CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	CTECH	
		H3345	H3344	H3345	H3291	H3344	H3344	H3272	
		WATER	WATER	WATER	WATER	WATER	WATER	WATER	
		5/27/2016 9:30	5/26/2016 14:15	5/27/2016 8:35	5/25/2016 14:20	5/26/2016 12:40	5/24/2016 9:35		
		6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016		
CAS NO.	COMPOUND								
VOLATILES									
110-82-7	Cyclohexane	NS	ug/l	19.7	ND	15.5	ND	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	5.6	ND	6.3	ND	2.9 J	ND
108-87-2	Methylcyclohexane	NS	ug/l	29.4	ND	21.3	ND	ND	ND
100-42-5	Styrene	5	ug/l	820	39.2	580	ND	ND	ND
1634-04-4	Tert-Butyl Methyl Ether	10 (G)	ug/l	ND	92.2	ND	ND	2.8 J	ND
BTEX									
71-43-2	Benzene	1	ug/l	29.2	2.4 J	74.1	ND	18.9	ND
100-41-4	Ethylbenzene	5	ug/l	250 J	6.6	170	ND	2.1 J	ND
108-88-3	Toluene	5	ug/l	2600	67.6	1300	ND	9.1	ND
179601-23-1	m,p-Xylene	5	ug/l	1200	15.7	490 J	ND	7 J	ND
95-47-6	O-Xylene (1,2-Dimethylbenzene)	5	ug/l	660	16.8	530	ND	23.7	ND
CVOC									
107-06-2	1,2-Dichloroethane	0.6	ug/l	ND	ND	ND	ND	ND	ND
156-59-2	Cis-1,2-Dichloroethylene	5	ug/l	ND	ND	ND	ND	ND	ND
127-18-4	Tetrachloroethylene (PCE)	5	ug/l	0.67 J	ND	0.59 J	ND	0.58 J	ND
79-01-6	Trichloroethylene (TCE)	5	ug/l	ND	ND	1.8 J	ND	ND	ND
Total VOCs				5614.57	240.5	3189.59	ND	67.08	ND
SEMIVOLATILES									
100-52-7	Benzaldehyde	NS	ug/l	ND	2.4 J	ND	ND	ND	ND
92-52-4	Biphenyl (Diphenyl)	5	ug/l	43.9	ND	36.5	ND	ND	ND
86-74-8	Carbazole	NS	ug/l	5 J	ND	3.9 J	ND	ND	ND
132-64-9	Dibenzofuran	NS	ug/l	3.4 J	ND	2.7 J	ND	ND	ND
131-11-3	Dimethyl Phthalate	50 (G)	ug/l	2.9 J	ND	6.4 J	ND	ND	3.5 J
MEPH3MEPH	3- And 4- Methylphenol (Total)	1	ug/l	3.2 J	ND	ND	ND	ND	ND
PAHs									
83-32-9	Acenaphthene	20 (G)	ug/l	15.4	ND	12.3	ND	2.9 J	ND
208-96-8	Acenaphthylene	NS	ug/l	550 J	7.3 J	79.9	ND	8.4 J	ND
120-12-7	Anthracene	50 (G)	ug/l	6.9 J	ND	3.3 J	ND	ND	ND
206-44-0	Fluoranthene	50 (G)	ug/l	ND					
86-73-7	Fluorene	50 (G)	ug/l	36	ND	10.2	ND	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	830 J	ND	390 J	ND	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	10700	120	3300	ND	42.9	ND
85-01-8	Phenanthrene	50 (G)	ug/l	43.4	ND	28.9	ND	ND	ND
129-00-0	Pyrene	50 (G)	ug/l	2.3 J	ND	ND	ND	ND	ND
Total PAHs				12184	127.3	3824.6	ND	54.2	ND
Total SVOCs				12242.4	129.7	3874.1	ND	54.2	3.5

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 Groundwater Analytical Results
White Plains Former MGP Site
Consolidated Edison Company of New York

Con Ed - White Plains Validated Groundwater Analytical Data May 2016 Detected Compound Summary		NYSDEC Class GA Groundwater Standards/Guidance Values ⁽¹⁾	Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated: UNITS:	MW-20 MW-20-20160524 H3272-04 CTECH H3272 WATER 5/24/2016 14:15 6/23/2016	MW-101 MW-101-20160526 H3344-04 CTECH H3344 WATER 5/26/2016 11:25 6/23/2016
CAS NO.	COMPOUND				
	VOLATILES				
110-82-7	Cyclohexane	NS	ug/l	ND	ND
98-82-8	Isopropylbenzene (Cumene)	5	ug/l	ND	ND
108-87-2	Methylcyclohexane	NS	ug/l	ND	ND
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	9.2
100-41-4	Ethylbenzene	5	ug/l	ND	ND
108-88-3	Toluene	5	ug/l	ND	ND
179601-23-1	m,p-Xylene	5	ug/l	ND	ND
95-47-6	O-Xylene (1,2-Dimethylbenzene)	5	ug/l	ND	ND
	CVOC				
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	9.2
	SEMIVOLATILES				
100-52-7	Benzaldehyde	NS	ug/l	ND	ND
92-52-4	Biphenyl (Diphenyl)	5	ug/l	ND	ND
86-74-8	Carbazole	NS	ug/l	ND	ND
132-64-9	Dibenzofuran	NS	ug/l	ND	ND
131-11-3	Dimethyl Phthalate	50 (G)	ug/l	3.7 J	ND
MEPH3MEPH	3- And 4- Methylphenol (Total)	1	ug/l	ND	ND
	PAHs				
83-32-9	Acenaphthene	20 (G)	ug/l	ND	15.7
208-96-8	Acenaphthylene	NS	ug/l	ND	ND
120-12-7	Anthracene	50 (G)	ug/l	ND	ND
206-44-0	Fluoranthene	50 (G)	ug/l	ND	ND
86-73-7	Fluorene	50 (G)	ug/l	ND	ND
91-57-6	2-Methylnaphthalene	NS	ug/l	ND	ND
91-20-3	Naphthalene	10 (G)	ug/l	ND	ND
85-01-8	Phenanthrene	50 (G)	ug/l	ND	ND
129-00-0	Pyrene	50 (G)	ug/l	ND	ND
	Total PAHs			ND	15.7
	Total SVOCs			3.7	15.7

Notes:

Indicates concentration exceeds standard or guidance value.

(G) Indicates guidance value.

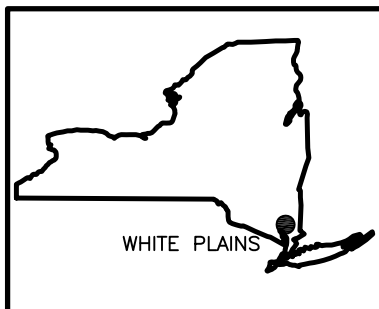
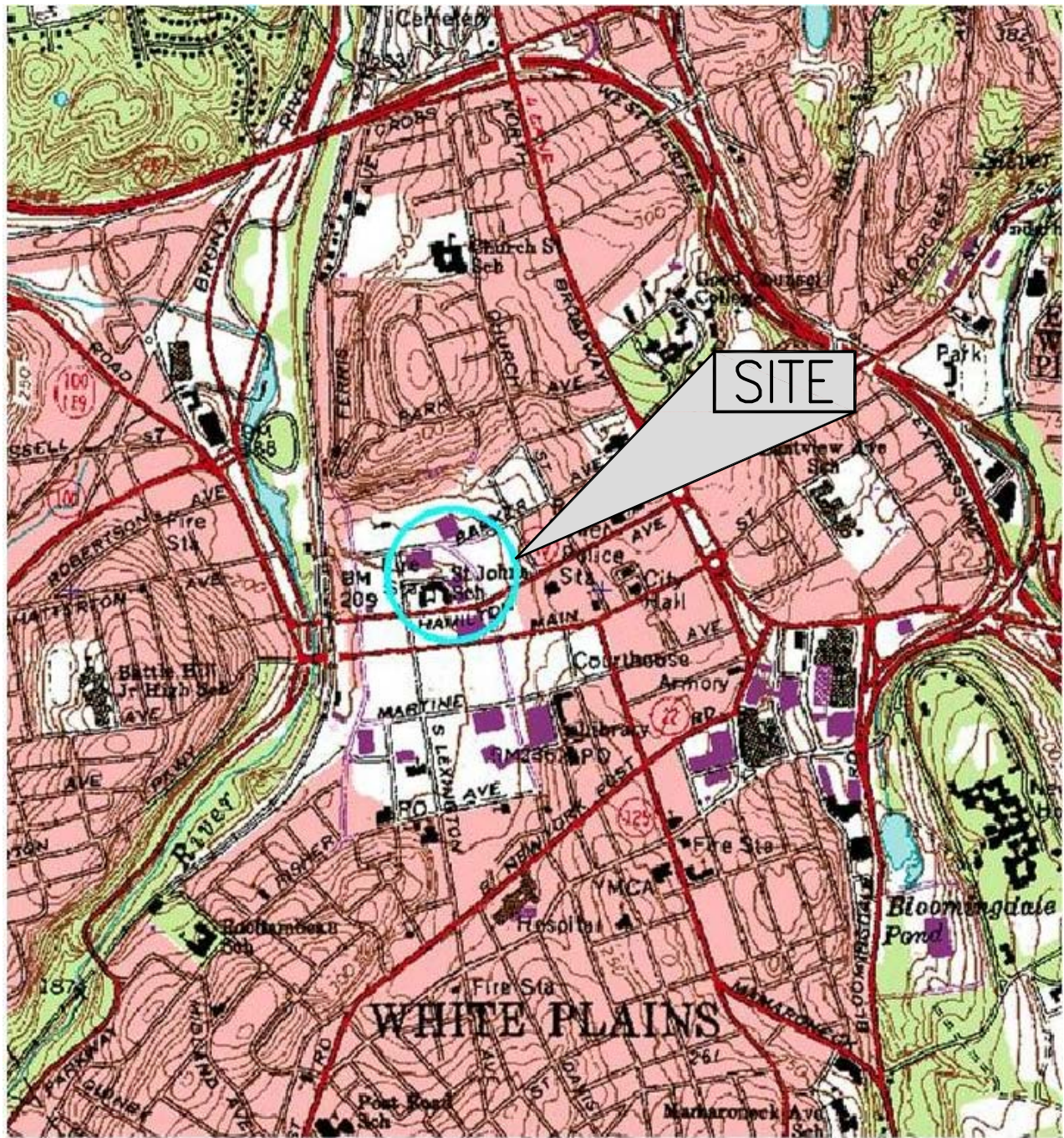
NS No standard or guidance value available.

ND Indicates compound was not detected.

J Indicates an estimated concentration.

ug/l Micrograms per liter

FIGURES



QUADRANGLE LOCATION
NEW YORK



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

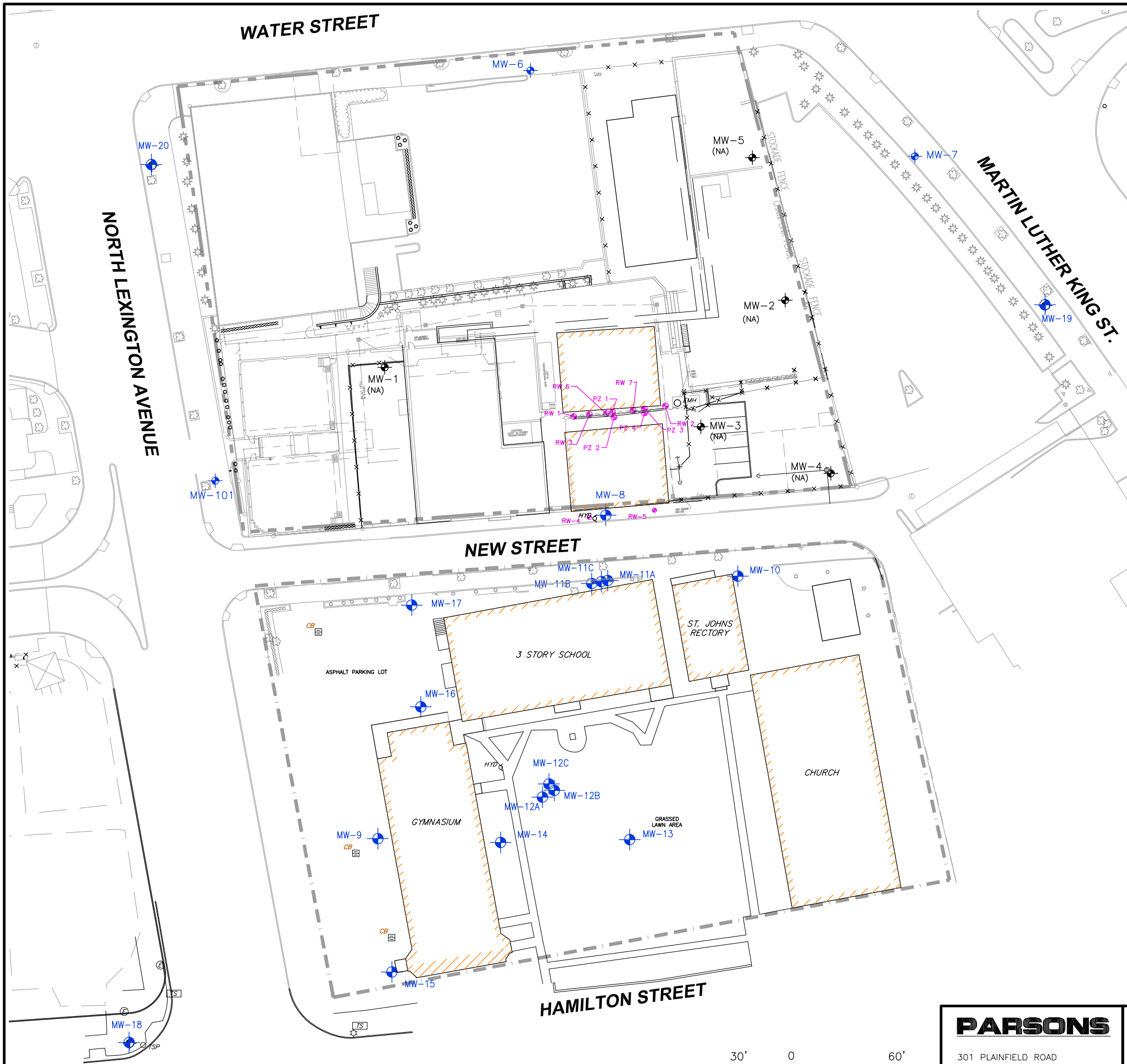
FIGURE 1

**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

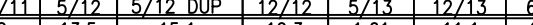
NOTE:
 MAP SOURCE:
 CHAZEN ENGINEERING , LAND SURVEYING & LANDSCAPING
 ARCHITECTURE CO., P.C. DATED 6/6/11.

MW-20	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND

MW-6	7/01	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	353.6	ND	ND	ND	ND	ND	9.66	13.8	ND	8.87	13.59	15.7
Total VOCs	402.1	ND	ND	ND	ND	ND	12.24	15.8	ND	9.86	15.49	17.4

MW-7	7/01	5/11	11/11	5/12	12/12	12/12 DUP	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	28.69	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND

MW-19	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	6/15 DUP	12/15	5/16
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	ND	ND	ND	ND	ND	1.2	ND	ND	ND	ND	ND	ND

MW-8	7/01	7/01 DUP	5/11	5/11	11/11	5/12	5/12 DUP	12/12	5/13	12/13	6/14
Total BTEX	3.4	ND	2.86	2.86	2	13.5	15.1	10.3	1.61	11.1	2.57
Total VOCs	28.93	25.98	7.09	7.09	2	41.48	45.83	23.17	8.91	35.5	13
MW-8(con't)	12/14	6/15	12/15	5/16							
Total BTEX	11.8	ND	0.5	5.21							
Total VOCs	39.7	ND	2.9	25.51							

MW-11B	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	12/14 DUP	6/15	12/15	12/15 DUP	5/16	5/16 DUP
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	2.9	ND	ND	ND	ND	ND	1.3	0.81	ND	ND	ND	ND	ND	ND	ND

MW-11C	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	5711.3	4051.8	3160	4751.4	5201.6	2861.55	3835.1	1910	2530	2332.9	1610.4	2063.2
Total VOCs	7294.3	5095.8	3900	10668.8	6373.6	3473.15	4630.8	2341	3107.5	2852.8	2014.9	2552.9

MW-11A	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	6/14 DUP	12/14	6/15	12/15	5/16
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	2.9	ND	ND	ND	ND	ND	2.6	ND	ND	ND	ND	ND	ND

MW-101	5/11	11/11	11/11 DUP	5/12	12/12	5/13	12/13	6/14
Total BTEX	428	687	452	710	139.18	128.8	147.1	61.8
Total VOCs	454	687	452	1488	144.78	133.6	159.61	68.9

MW-101(con't)	12/14	6/15	12/15	5/16
Total BTEX	59.7	17.7	12.0	9.2
Total VOCs	66.9	17.7	15.3	9.2

MW-17	11/09	5/11	5/11 DUP	11/11	5/12	12/12	5/13	12/13	12/13 DUP	6/14	12/14	6/15	12/15	5/16
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	2.4	0.8	0.9	ND	ND	ND	ND	1.4	1.5	ND	ND	ND	ND	ND

MW-16	11/09	11/09 DUP	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	2640.0	6160.0	3810	3020	1780	4910	2470	3530	2590	3550	4088.2	2843	2564.1
Total VOCs	3401.7	7953.9	4850.9	3980	4028.7	6146.97	3077.74	4468.7	3272	4415.7	5425.27	3759.1	3189.59

MW-14	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14
Total BTEX	3146.0	3618.6	2990	3678.4	5223	4240	36.3	2557
Total VOCs	4692.9	5689.3	4590	9250.6	8196.4	6340	44.64	3806

MW-14(con't)	12/14	6/15	12/15	5/16
Total BTEX	4430	3950	2642.2	4739.2
Total VOCs	6563.1	6079.4	3680.4	5614.57

MW-9	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	2305	374	664	172.9	53.4	34.51	36.3	189.1	474.1	7.4	113.7	13.6
Total VOCs	2987.3	509.64	824	383.72	186.27	42.21	44.64	229	612.9	14.3	134.8	24.31

MW-15	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	379.8	366.2	46	399.8	163	150.3	100.5	ND	327.8	69.74	63.5	109.1
Total VOCs	600.3	688.89	285	1156.3	414.63	321.03	332.27	8.4	507.03	317.8	289.5	240.5

MW-18	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	37.2	2.6	8.2	30.2	31.11	125.9	29.3	95.8	67.7	52.9	60.8
Total VOCs	48.09	13.2	31.47	40.09	41.54	143.38	36.3	111.1	79.1	59.7	67.08

MW-13	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	ND	ND	ND	ND	ND	ND	ND	ND	1.97	ND	ND	ND
Total VOCs	188.5	444.1	340	414.4	820	353.6	527.81	242	325.17	243	212.4	232.1

MW-12C	11/09	5/11	11/11	5/12	12/12
Total BTEX	826.7	951.5	1171	1174.3	3194.4
Total VOCs	1269.0	1610.07	1761	2918.7	4921.9

MW-12B	11/09	5/11	11/11	5/12	12/12	5/13	5/13 DUP	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	43.0	41.34	16	16	16	4.4	4.4	7.04	1	ND	0.37	ND	ND

MW-12A	11/09	5/11	11/11	5/12	12/12	5/13	12/13	6/14	12/14	6/15	12/15	5/16
Total BTEX	ND	23.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total VOCs	ND	31.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND



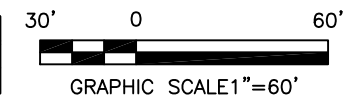
MONITORING WELL

(NA)

NO LONGER ACCESSIBLE

SAMPLE ID	SAMPLE DATE
TOTAL BENZENE, TOLUENE, ETHYLBENZENE, AND XYLENES	RESULTS IN ug/L
TOTAL VOLATILE ORGANIC COMPOUNDS	RESULTS IN ug/L

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



PARSONS

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

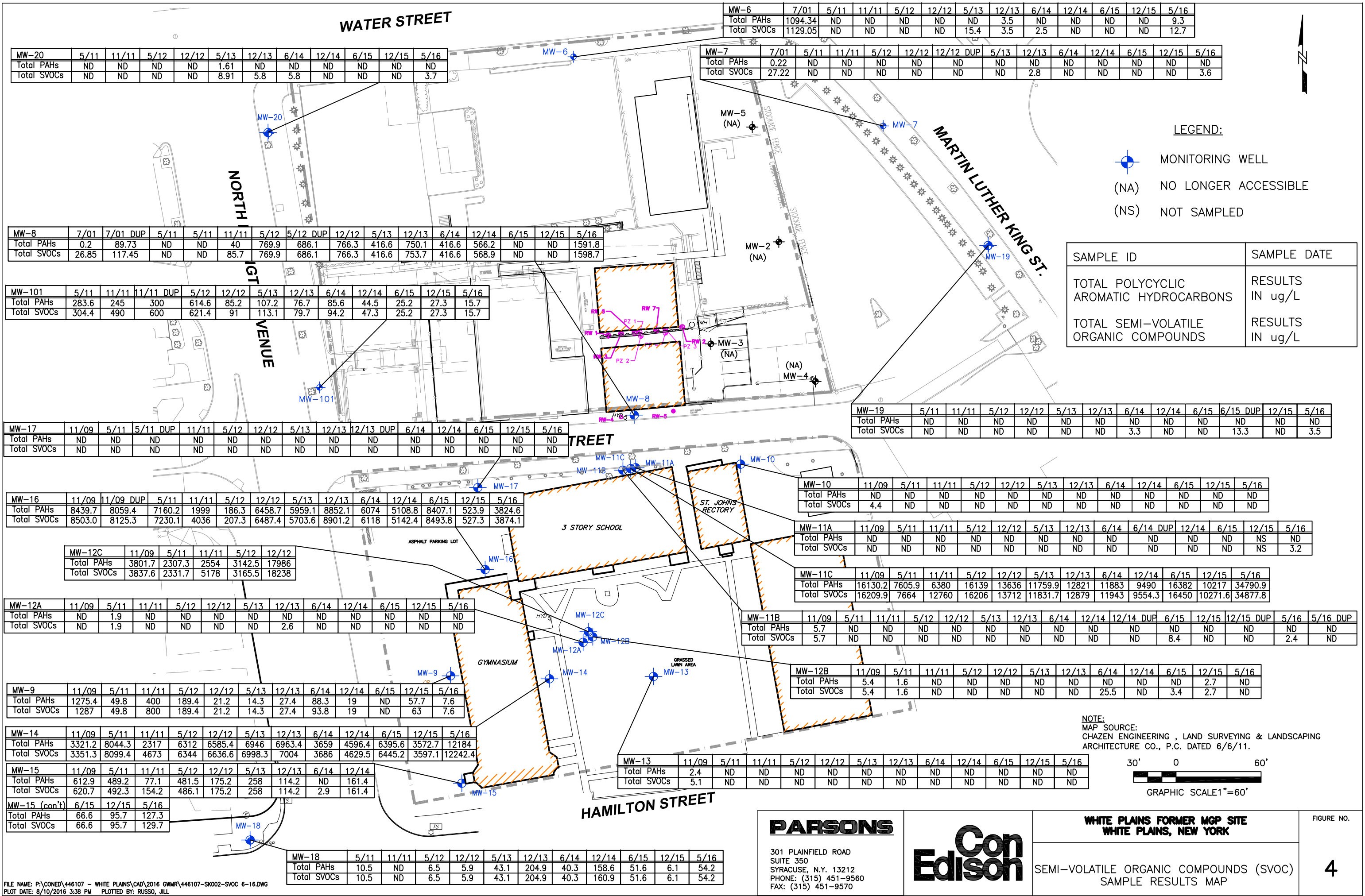
Con Edison

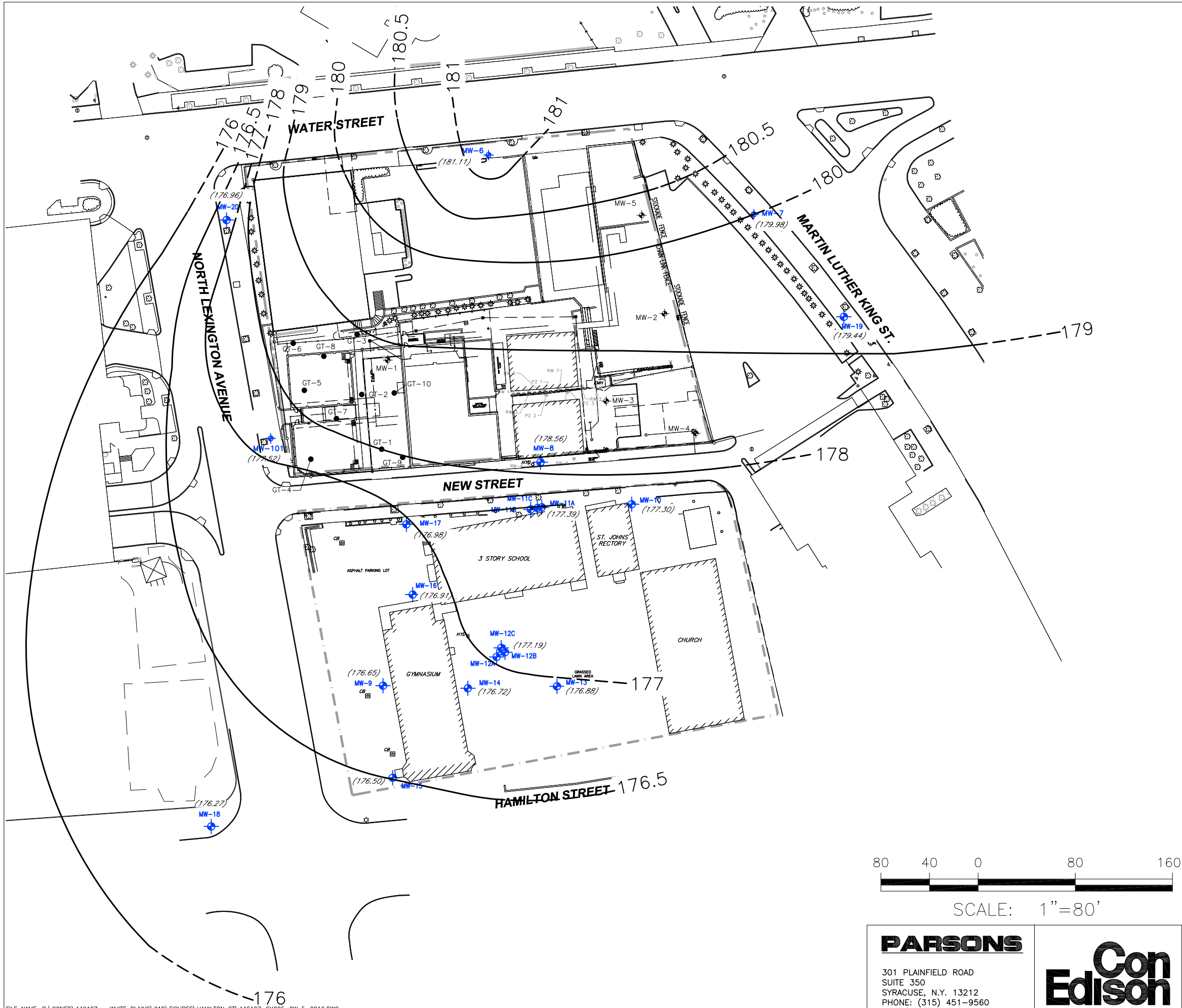
**WHITE PLAINS FORMER MCP SITE
WHITE PLAINS, NEW YORK**

VOLATILE ORGANIC COMPOUNDS (VOC)
SAMPLE RESULTS MAP

FIGURE NO.

3





LEGEND:

MONITORING WELL

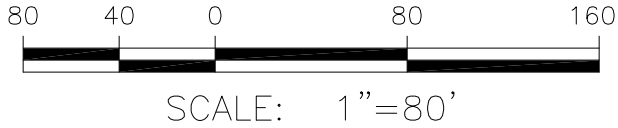
(NA) NO LONGER ACCESSIBLE

178.0 ——— GROUNDWATER CONTOURS

----- GROUNDWATER CONTOURS INFERRED

177.3 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 MAY 24, 2016
 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-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.



PARSONS

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



WHITE PLAINS FORMER MGP SITE
WHITE PLAINS, NEW YORK

GROUNDWATER ELEVATION CONTOUR MAP
MAY 2016

FIGURE NO.

5

ATTACHMENTS

Attachment 1
Groundwater Sampling Records

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-6
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 6.75
 Depth to Well Bottom (TOC): 16.20
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	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE
Time	1150	1155	1200	1205	1210	1215	1220	1225
Depth To Water (TOC) (ft)	4.30	7.80	8.32	8.64	10.00	10.40	10.95	10.95
Depth To Pump (TOC) (ft)	14.20	14.20	14.20	14.20	14.20	14.20	14.20	14.20
Flow Rate (ml/min)	200	150	150	150	150	150	150	150
Volume of Water Purged	0.25	0.75	1.25	1.75	2.25	2.75	3.25	3.75
pH (s.u.)	6.65	6.57	6.49	6.54	6.60	6.68	6.67	6.65
Conductivity (mS/cm)	1.87	1.83	1.86	1.91	1.92	1.91	1.93	1.94
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	9.64	9.13	9.00	8.52	8.01	7.62	6.91	6.72
Temperature (Degrees C)	16.21	14.69	15.49	15.34	15.56	16.04	16.46	17.72
ORP (mV)	-33	-4	5	7	5	3	0	2
Salinity (%)	1.0	0.9	0.9	1.0	1.0	1.0	1.0	1.0
TDS (g/L)	1.20	1.17	1.19	1.22	1.22	1.23	1.23	1.24

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes: 1 of 2

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-6
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 6.75
 Depth to Well Bottom (TOC): 16.20
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	SAMPLE
Time	1230	1235
Depth To Water (TOC) (ft)	10.97	11.00
Depth To Pump (TOC) (ft)	14.20	14.20
Flow Rate (ml/min)	150	150
Volume of Water Purged	4.25	4.75
pH (s.u.)	6.60	6.59
Conductivity (mS/cm)	1.94	1.94
Turbidity (NTUs)	0.0	0.0
Dissolved Oxygen (mg/L)	6.69	6.66
Temperature (Degrees C)	18.25	18.27
ORP (mV)	0	0
Salinity (%)	1.0	1.0
TDS (g/L)	1.25	1.26

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via: Chemtech
Laboratory: _____
Other Notes: 2 of 2

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-7
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 8.95
 Depth to Well Bottom (TOC): 15.70
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 : None
 Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	1040	1045	1050	1055	1100	1105	1110	1115
Depth To Water (TOC) (ft)	10.40	10.19	10.20	10.19	10.19	10.19	10.19	10.19
Depth To Pump (TOC) (ft)	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
Flow Rate (ml/min)	200	175	175	175	175	175	175	175
Volume of Water Purged	0.75	1.5	2	2.50	3	3.25	3.75	4
pH (s.u.)	6.75	6.81	6.80	6.80	6.79	6.79	6.79	6.76
Conductivity (mS/cm)	3.89	4.09	4.21	4.33	4.39	4.42	4.38	4.35
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	1.55	0.96	0.85	0.75	0.68	0.66	0.66	0.67
Temperature (Degrees C)	12.59	14.30	14.49	15.06	14.86	14.80	14.68	14.65
ORP (mV)	-108	-123	-125	-128	-130	-129	-128	-126
Salinity (%)	2.0	2.1	2.2	2.3	2.4	2.4	2.3	2.3
TDS (g/L)	2.49	2.62	2.70	2.78	2.87	2.84	2.79	2.78

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/26/16
Sampling Date: 5/26/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-8
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 23.55
 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	SAMPLE
Time	0740	0745	0750	0755	0800	0805	0810
Depth To Water (TOC) (ft)	23.90	23.90	23.90	23.90	23.90	23.90	23.90
Depth To Pump (TOC) (ft)	37.5	37.5	37.5	37.5	37.5	37.5	37.5
Flow Rate (ml/min)	200	200	200	200	200	200	200
Volume of Water Purged	0	0.5	1	1.5	2	2.5	3
pH (s.u.)	6.66	6.62	6.63	6.61	6.63	6.61	6.60
Conductivity (mS/cm)	3.16	3.14	3.18	3.26	3.27	3.26	3.29
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	4.71	4.50	4.10	3.51	2.95	2.87	2.79
Temperature (Degrees C)	15.51	15.52	15.53	15.43	15.47	15.96	15.87
ORP (mV)	-51	-52	-52	-52	-52	-56	-50
Salinity (%)	1.7	1.6	1.7	1.7	1.7	1.7	1.7
TDS (g/L)	2.05	2.02	2.03	2.08	2.09	2.09	2.10

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/26/16
Sampling Date: 5/26/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-9
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 30.75
 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 : None
 Other : None

FIELD TESTS

	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	PURGE	SAMPLE
Time	0950	0955	1000	1005	1010	1015	1020	1025
Depth To Water (TOC) (ft)	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00
Depth To Pump (TOC) (ft)	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
Flow Rate (ml/min)	225	225	225	225	225	225	225	225
Volume of Water Purged	0	0.75	1.50	2.25	3	3.75	4.25	5
pH (s.u.)	6.91	6.79	6.73	6.77	6.77	6.78	6.77	6.78
Conductivity (mS/cm)	4.32	4.43	4.44	4.47	4.45	4.46	4.48	4.49
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	9.96	9.96	9.96	9.82	9.45	8.95	8.87	8.69
Temperature (Degrees C)	15.24	15.21	15.19	15.18	15.19	15.20	15.21	15.20
ORP (mV)	-36	-42	-46	-50	-52	-55	-57	-58
Salinity (%)	2.3	2.4	2.4	2.4	2.4	2.4	2.4	2.5
TDS (g/L)	2.73	2.84	2.84	2.93	2.85	2.86	2.86	2.86

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/25/16
Sampling Date: 5/25/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-10
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 21.16
 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	PURGE	SAMPLE
Time	1215	1220	1225	1230	1235	1240	1245	1250
Depth To Water (TOC) (ft)	21.30	21.30	21.32	21.35	21.35	21.35	21.35	21.35
Depth To Pump (TOC) (ft)	47.85	47.85	47.85	47.85	47.85	47.85	47.85	47.85
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	0.5	1	1.5	2	2.5	3	3.5	4
pH (s.u.)	6.97	6.90	6.84	6.79	6.76	6.75	6.74	6.74
Conductivity (mS/cm)	7.93	8.01	8.03	7.86	7.79	7.70	7.68	7.63
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	2.87	2.45	2.14	1.59	1.56	1.50	1.53	1.49
Temperature (Degrees C)	16.92	16.88	16.45	16.32	16.34	16.55	16.64	16.70
ORP (mV)	76	88	90	73	68	60	54	51
Salinity (%)	4.4	4.4	4.4	4.3	4.2	4.2	4.1	4.1
TDS (g/L)	5.02	5.05	5.06	4.95	4.88	4.85	4.79	4.77

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

Shipped Via: Chemtech
Laboratory: _____
Other Notes: _____

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: Z. Lavy of Parsons / Somerset, NJ
SAMPLE ID: MW-11A
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.43
 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	PURGE	SAMPLE
Time	1225	1230	1235	1240	1245	1250	1255	1300
Depth To Water (TOC) (ft)	31.52	24.56	24.68	24.72	24.76	24.73	24.81	24.84
Depth To Pump (TOC) (ft)	25.75	25.75	25.75	25.75	25.75	25.75	25.75	25.75
Flow Rate (ml/min)	300	250	150	150	150	150	150	150
Volume of Water Purged	~0.5	~1.25	~1.5	~2.25	~2.75	~3.25	~3.5	~4
pH (s.u.)	7.02	7.10	7.15	7.19	7.21	7.23	7.22	7.23
Conductivity (mS/cm)	2.63	3.97	4.54	4.76	4.82	4.84	4.85	4.85
Turbidity (NTUs)	236	75.2	12.6	7.7	5.2	6.8	7.3	6.5
Dissolved Oxygen (mg/L)	12.26	11.38	8.62	7.71	6.85	6.39	6.33	6.25
Temperature (Degrees C)	15.93	16.25	16.75	17.42	17.45	16.99	17.13	17.2
ORP (mV)	126	138	144	148	150	153	158	161
Salinity (%)	2.4	2.5	2.4	2.6	2.5	2.6	2.6	2.6
TDS (g/L)	2.81	2.87	2.91	3.07	3.11	3.13	3.13	3.15

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: Z. Lavy of Parsons / Somerset, NJ
SAMPLE ID: MW-11B
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.68
 Depth to Well Bottom (TOC): 35.90
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	1325	1330	1335	1340	1345	1350	1355	1400
Depth To Water (TOC) (ft)	24.83	24.84	24.84	24.84	24.85	24.85	24.84	24.85
Depth To Pump (TOC) (ft)	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
Flow Rate (ml/min)	200	150	250	250	250	250	250	250
Volume of Water Purged	0.75	1	1.25	1.75	2.5	3	3.5	4.25
pH (s.u.)	7.23	7.23	7.22	7.23	7.22	7.22	7.21	7.21
Conductivity (mS/cm)	5.64	5.75	5.81	5.81	5.82	5.83	5.83	5.84
Turbidity (NTUs)	140	72.6	43	21.1	7.8	0	0	0
Dissolved Oxygen (mg/L)	8.45	7.44	7.27	6.87	6.62	6.46	6.41	6.38
Temperature (Degrees C)	17.0	17.09	17.2	17.23	17.18	17.26	17.3	17.25
ORP (mV)	158	157	155	141	135	126	122	117
Salinity (%)	3.0	3.1	3.1	3.1	3.1	3.2	3.1	3.2
TDS (g/L)	3.55	3.59	3.60	3.62	3.64	3.67	3.69	3.71

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes: Also Collected MW-111B, MW-11B(MS), MW-11B(MSD)

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/27/16
Sampling Date: 5/27/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-11C
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 24.55
 Depth to Well Bottom (TOC): 49.52
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	0955	1000	1005	1010	1015	1020	1025	1030
Depth To Water (TOC) (ft)	24.85	24.85	24.85	24.85	24.85	24.85	24.85	24.85
Depth To Pump (TOC) (ft)	47.52	47.52	47.52	47.52	47.52	47.52	47.52	47.52
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	0	0.5	1	1.5	2	2.5	3	3.5
pH (s.u.)	7.17	7.17	7.11	7.12	7.12	7.12	7.12	7.11
Conductivity (mS/cm)	2.84	3.12	5.12	5.12	5.12	5.12	5.14	5.14
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	3.53	4.39	0.73	0.59	0.55	0.51	0.60	0.59
Temperature (Degrees C)	16.83	16.31	16.28	16.34	16.27	16.29	16.26	16.31
ORP (mV)	-93	-119	-140	-153	-161	-169	-176	-180
Salinity (%)	1.4	1.8	2.7	2.7	2.8	2.7	2.8	2.8
TDS (g/L)	1.79	3.14	3.23	3.23	3.24	3.22	3.24	3.24

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/25/16
Sampling Date: 5/25/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-12A
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.80
 Depth to Well Bottom (TOC): 30.75
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	0915	0920	0925	0930	0935	0940	0945
Depth To Water (TOC) (ft)	28.10	28.10	28.10	28.10	28.10	28.10	28.10
Depth To Pump (TOC) (ft)	29.75	29.75	29.75	29.75	29.75	29.75	29.75
Flow Rate (ml/min)	175	175	175	175	175	175	175
Volume of Water Purged	0	0.5	1	1.5	2	2.5	3
pH (s.u.)	6.76	7.21	7.29	7.31	7.33	7.34	7.36
Conductivity (mS/cm)	0.720	0.725	0.716	0.717	0.712	0.716	0.716
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	9.56	9.02	8.61	8.65	8.35	8.30	8.28
Temperature (Degrees C)	14.56	14.80	14.39	14.55	14.67	14.68	14.52
ORP (mV)	185	163	150	143	135	129	124
Salinity (%)	0.3	0.4	0.3	0.3	0.3	0.3	0.3
TDS (g/L)	0.460	0.465	0.458	0.459	0.456	0.458	0.459

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/25/16
Sampling Date: 5/25/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-12B
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 27.80
 Depth to Well Bottom (TOC): 44.77
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	1010	1015	1020	1025	1030	1035	1040	1045
Depth To Water (TOC) (ft)	28.30	18.34	18.36	18.41	28.38	28.38	28.38	28.38
Depth To Pump (TOC) (ft)	42.27	42.27	42.27	42.27	42.27	42.27	42.27	42.27
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	0.5	1	1.5	2	2.5	3	3.5	4
pH (s.u.)	7.01	7.00	7.03	7.00	7.01	7.01	7.01	7.00
Conductivity (mS/cm)	2.04	2.25	2.29	2.31	2.32	2.32	2.34	2.33
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	2.78	1.22	1.06	0.66	0.68	0.64	0.66	0.63
Temperature (Degrees C)	15.10	15.35	15.21	15.06	15.11	15.13	15.36	15.40
ORP (mV)	116	43	16	10	13	15	18	20
Salinity (%)	1.0	1.1	1.2	1.2	1.2	1.2	1.2	1.2
TDS (g/L)	1.28	1.44	1.47	1.48	1.49	1.49	1.50	1.49

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/26/16
Sampling Date: 5/26/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-13
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 28.05
 Depth to Well Bottom (TOC): 64.60
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	0845	0850	0855	0900	0905	0910	0915	0920
Depth To Water (TOC) (ft)	28.40	28.40	28.40	28.40	28.40	28.40	28.40	28.40
Depth To Pump (TOC) (ft)	62.60	62.60	62.60	62.60	62.60	62.60	62.60	62.60
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	0	0.5	1	1.5	2	2.5	3	3.5
pH (s.u.)	6.60	6.57	6.56	6.55	6.55	6.55	6.54	6.54
Conductivity (mS/cm)	3.41	3.42	3.44	3.50	3.51	3.51	3.51	3.51
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	3.31	2.25	1.72	1.24	0.88	0.80	0.78	0.75
Temperature (Degrees C)	14.73	14.73	14.74	14.73	14.73	14.72	14.76	14.76
ORP (mV)	-89	-88	-87	-89	-91	-92	-92	-92
Salinity (%)	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
TDS (g/L)	2.17	2.19	2.21	2.24	2.24	2.25	2.25	2.25

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: Chemtech
 Laboratory
 Other Notes: _____

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/27/16
Sampling Date: 5/27/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-14
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 28.35
 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	SAMPLE
Time	0900	0905	0910	0915	0920	0925	0930
Depth To Water (TOC) (ft)	28.55	28.55	28.55	28.55	28.55	28.55	28.55
Depth To Pump (TOC) (ft)	62.3	62.3	62.3	62.3	62.3	62.3	62.3
Flow Rate (ml/min)	175	175	175	175	175	175	175
Volume of Water Purged	0	0.25	0.5	1	1.25	2	2.5
pH (s.u.)	6.92	6.91	6.90	6.91	6.91	6.90	6.90
Conductivity (mS/cm)	2.20	2.24	2.27	2.27	2.28	2.29	2.28
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	4.06	2.37	2.11	1.56	1.40	1.36	1.32
Temperature (Degrees C)	14.67	14.80	14.94	15.04	15.09	15.10	15.13
ORP (mV)	-91	-100	-109	-110	-117	-120	-125
Salinity (%)	1.1	1.1	1.2	1.2	1.2	1.2	1.2
TDS (g/L)	1.41	1.43	1.45	1.45	1.46	1.46	1.46

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/26/16
Sampling Date: 5/26/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-15
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 31.15
 Depth to Well Bottom (TOC): 56.53
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	1340	1345	1350	1355	1400	1405	1410	1415
Depth To Water (TOC) (ft)	31.45	31.45	31.45	31.45	31.45	31.45	31.45	31.45
Depth To Pump (TOC) (ft)	54.53	54.53	54.53	54.53	54.53	54.53	54.53	54.53
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	0	0.5	1	1.5	2	2.5	3	3.5
pH (s.u.)	6.69	6.68	6.70	6.69	6.71	6.72	6.72	6.72
Conductivity (mS/cm)	3.93	3.98	3.93	3.85	3.88	3.87	3.87	3.86
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	9.97	9.97	9.97	9.97	9.69	9.23	9.20	9.19
Temperature (Degrees C)	15.43	15.37	15.38	15.04	14.84	14.81	14.80	14.80
ORP (mV)	-92	-92	-94	-94	-96	-97	-97	-98
Salinity (%)	2.1	2.1	2.1	2.0	2.0	2.0	2.0	2.0
TDS (g/L)	2.53	2.54	2.51	2.47	2.49	2.47	2.47	2.46

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: Chemtech
 Laboratory
 Other Notes: _____

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/27/16
Sampling Date: 5/27/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-16
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 29.13
 Depth to Well Bottom (TOC): 64.40
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	0800	0805	0810	0815	0820	0825	0830	0835
Depth To Water (TOC) (ft)	29.20	29.20	29.20	29.20	29.20	29.20	29.20	29.20
Depth To Pump (TOC) (ft)	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
Flow Rate (ml/min)	175	175	175	175	175	175	175	175
Volume of Water Purged	0	0.5	1	1.5	2	2.25	3	3.25
pH (s.u.)	7.24	6.96	6.95	6.95	6.93	6.94	6.96	6.96
Conductivity (mS/cm)	1.60	2.45	2.77	2.92	2.93	3.00	3.01	3.03
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	2.94	1.82	1.65	1.21	1.20	1.17	1.11	1.07
Temperature (Degrees C)	16.36	16.19	16.09	16.00	16.42	16.24	16.34	16.41
ORP (mV)	-119	-123	-123	-125	-127	-127	-129	-130
Salinity (%)	0.8	1.3	1.4	1.5	1.5	1.6	1.6	1.6
TDS (g/L)	1.02	1.60	1.77	1.90	1.90	1.92	1.93	1.93

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs

 Shipped Via: Chemtech
 Laboratory
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/25/16
Sampling Date: 5/25/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-17
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 28.00
 Depth to Well Bottom (TOC): 49.80
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	1345	1350	1355	1400	1405	1410	1415	1420
Depth To Water (TOC) (ft)	28.10	28.10	28.10	28.10	28.10	28.10	28.10	28.10
Depth To Pump (TOC) (ft)	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
Flow Rate (ml/min)	200	200	200	200	200	200	200	200
Volume of Water Purged	0	0.25	0.50	1	1.50	2	2.50	3
pH (s.u.)	7.26	7.19	7.18	7.18	7.19	7.20	7.20	7.19
Conductivity (mS/cm)	2.42	2.65	2.67	2.66	2.66	2.65	2.64	2.63
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	6.59	6.00	5.91	5.87	5.69	5.58	5.52	5.44
Temperature (Degrees C)	18.17	18.33	18.25	18.34	18.56	18.61	18.58	18.65
ORP (mV)	62	89	97	103	107	109	110	111
Salinity (%)	1.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4
TDS (g/L)	1.55	1.70	1.71	1.70	1.70	1.70	1.69	1.68

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/26/16
Sampling Date: 5/26/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-18
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 32.70
 Depth to Well Bottom (TOC): 71.40
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	1205	1210	1215	1220	1225	1230	1235	1240
Depth To Water (TOC) (ft)	32.75	32.75	32.75	32.75	32.75	32.75	32.75	32.75
Depth To Pump (TOC) (ft)	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
Flow Rate (ml/min)	175	175	175	175	175	175	175	175
Volume of Water Purged	0	0.25	0.75	1.25	1.5	2	2.5	3
pH (s.u.)	6.93	6.89	6.92	6.89	6.90	6.90	6.90	6.90
Conductivity (mS/cm)	3.43	3.56	3.64	3.70	3.76	3.79	3.82	3.86
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	9.95	9.95	9.95	9.86	9.88	9.64	9.64	9.64
Temperature (Degrees C)	13.94	14.33	14.76	15.54	15.50	15.36	15.27	15.22
ORP (mV)	-112	-112	-115	-117	-116	-117	-119	-119
Salinity (%)	1.8	1.9	1.9	2.0	2.0	2.0	2.0	2.0
TDS (g/L)	2.19	2.29	2.34	2.41	2.44	2.48	2.50	2.48

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-19
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 8.80
 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	SAMPLE
Time	0905	0910	0915	0920	0925	0930	0935
Depth To Water (TOC) (ft)	10.32	11.45	10.90	11.20	11.22	11.22	11.24
Depth To Pump (TOC) (ft)	18.1	18.1	18.1	18.1	18.1	18.1	18.1
Flow Rate (ml/min)	200	175	175	175	175	175	175
Volume of Water Purged	0.5	1	1.5	2	2.5	3	3.5
pH (s.u.)	6.59	6.58	6.57	6.57	6.57	6.56	6.57
Conductivity (mS/cm)	13.4	13.6	13.5	13.6	13.4	13.4	13.5
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	1.79	1.64	1.52	1.49	1.46	1.43	1.41
Temperature (Degrees C)	13.41	13.62	13.93	13.81	13.87	13.94	14.05
ORP (mV)	-96	-98	-99	-102	-102	-103	-104
Salinity (%)	7.6	7.7	7.7	7.8	7.7	7.7	7.7
TDS (g/L)	8.28	8.41	8.35	8.40	8.32	8.30	8.38

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/24/16
Sampling Date: 5/24/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-20
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 14.60
 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	SAMPLE
Time	1345	1350	1355	1400	1405	1410	1415
Depth To Water (TOC) (ft)	14.85	14.92	14.93	14.93	14.94	14.94	14.95
Depth To Pump (TOC) (ft)	18.1	18.1	18.1	18.1	18.1	18.1	18.1
Flow Rate (ml/min)	125	125	125	125	125	125	125
Volume of Water Purged	0.5	1.25	2	2.75	3.50	4.25	5
pH (s.u.)	6.65	6.60	6.56	6.56	6.56	6.56	6.57
Conductivity (mS/cm)	14.6	14.9	15.0	15.1	15.3	15.4	15.3
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	9.96	9.15	8.19	7.36	6.82	6.28	6.04
Temperature (Degrees C)	16.53	16.15	15.47	15.53	15.15	15.25	15.27
ORP (mV)	26	10	-3	-21	-28	-35	-37
Salinity (%)	8.4	8.6	8.7	8.8	8.9	8.9	8.9
TDS (g/L)	8.98	9.19	8.31	9.43	9.52	9.51	9.50

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

PARSONS

GROUNDWATER SAMPLING RECORD

SITE NAME: Con Edison - White Plains
PROJECT NUMBER: 450017-01000
Purge Date: 5/26/16
Sampling Date: 5/26/16
Samplers: A. Feshbach-Meriney of Parsons / Somerset, NJ
SAMPLE ID: MW-101
Sampling Method: Low flow purge utilizing Monsoon Pump

WELL PURGING

Static Water Level (TOC): 25.60
 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	SAMPLE
Time	1100	1105	1110	1115	1120	1125
Depth To Water (TOC) (ft)	25.70	25.70	25.70	25.70	25.70	25.70
Depth To Pump (TOC) (ft)	57.8	57.8	57.8	57.8	57.8	57.8
Flow Rate (ml/min)	200	200	200	200	200	200
Volume of Water Purged	0	0.5	1	1.5	2	2.5
pH (s.u.)	6.74	6.73	6.73	6.72	6.73	6.72
Conductivity (mS/cm)	5.19	4.14	4.25	4.24	4.24	4.27
Turbidity (NTUs)	0.0	0.0	0.0	0.0	0.0	0.0
Dissolved Oxygen (mg/L)	1.51	0.93	0.71	0.60	0.58	0.55
Temperature (Degrees C)	17.17	17.27	17.28	17.34	17.52	17.61
ORP (mV)	-112	-113	-113	-116	-116	-117
Salinity (%)	2.8	2.2	2.3	2.2	2.3	2.3
TDS (g/L)	3.23	2.65	2.73	2.72	2.72	2.73

SAMPLE ANALYSIS / LABORATORY

Analyze For: VOCs and SVOCs
 Shipped Via: Chemtech
 Laboratory:
 Other Notes:

Attachment 2
Data Usability Summary Report

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 2016

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LIST OF ATTACHMENTS

ATTACHMENT A VALIDATED LABORATORY DATA

SECTION 1

DATA USABILITY SUMMARY

Groundwater samples were collected from the Consolidated Edison White Plains site on May 24, 2016 through May 27, 2016. 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 Chemtech. 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 12-15 days for the project samples.

The data packages received from Chemtech 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 Chemtech within one day 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 laboratory control sample recoveries, instrument calibrations, and internal standard responses. 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 Chemtech 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 groups (SDGs) H3272, H3291, H3344, and H3345.

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 initial and continuing calibrations as discussed below.

Initial and Continuing Calibrations

All initial calibration compounds were compliant with a minimum mean relative response factor (RRF) of 0.05 and a maximum percent relative standard deviation (%RSD) of 20% with the exception of cis-1,2-dichloroethene (21.8%RSD), trans-1,3-dichloropropene (21.8%RSD), and bromoform (24.4%RSD) in the initial calibration associated with sample MW-8. Therefore,

results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected sample.

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 bromomethane (-24.06%D, -31.49%D) in the continuing calibrations associated with samples in SDG H3272 and MW-8; and cis-1,3-dichloropropene (20.32%D) in the continuing calibration associated with samples MW-17, FB-201605, and TB-201605. Therefore, 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 Chemtech 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 surrogate recoveries, MS/MSD precision and accuracy, LCS recoveries, blank contamination, continuing calibrations, and internal standard responses as discussed below.

Surrogate Recoveries

All sample surrogate recoveries were considered acceptable and within QC limits with the exception of the high surrogate recoveries for nitrobenzene-d5 (QC limit 36-131%R) in samples MW-16 (256%R), MW-11C (561%R), MW-14 (385%R), and MW-8 (159%R). Validation qualification of these samples was not required.

MS/MSD Precision and Accuracy

All precision (relative percent difference; RPD) and accuracy (percent recovery; %R) measurements were considered acceptable and within QC limits during the spiked analyses of designated project samples with the exception of the low MS/MSD accuracy results for 1,2,4,5-tetrachlorobenzene (86%R/87%R; QC limit 89-102%R) and the high MS/MSD precision results for 3-nitroaniline (33%RPD; QC limit 0-20%RPD) and 4-chloroaniline (34%RPD; QC limit 0-20%RPD) during the spiked analyses of sample MW-11B. Validation qualification of the parent sample was not required for these compounds.

LCS Recoveries

All LCS recoveries were considered acceptable and within QC limits with the exception of the high LCS recovery for 3+4-methylphenol (93%R; QC limit 24-91%R) associated with samples in SDG H3272; and the low LCS recovery for benzaldehyde (7%R; QC limit 10-109%R) associated with samples in SDGs H3344 and H3345. Validation qualification of 3+4-methylphenol was not required since this compound was not detected. However, benzaldehyde results which were nondetects were considered estimated, possibly biased low, and qualified “UJ” for the affected samples.

Blank Contamination

The field equipment blank FB-201605 associated with samples collected on 5/27/16 contained naphthalene below the reporting limit at a concentration of 7.8 µg/L; and the field equipment blank FB-201605 associated with samples collected on 5/26/16 contained dimethylphthalate below the reporting limit at a concentration of 2.1 µg/L. Therefore, results for these compounds 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 indeno(1,2,3-cd)pyrene (23.3%D), dibenzo(a,h)anthracene (20.3%D), and benzo(g,h,i)perylene (21.7%D) in continuing calibration associated with samples in SDG H3272. Therefore, results for these compounds which were nondetects were considered estimated and qualified “UJ” for the affected samples.

Internal Standard Responses

All internal standard (IS) responses and retention times were within specified QC ranges based on associated calibration standards (i.e., sample’s area count within -50% to +100% and retention times within ± 0.5 minutes of the standard) with the exception of the low IS responses

for naphthalene-d8 in all samples in SDG H3345. These samples were diluted and reanalyzed yielding compliant internal standard responses. Therefore, positive results associated with this IS were considered biased high and qualified “J+” for these samples. Nondetected results from the reanalysis of these samples were reported in the validated laboratory data table in Attachment A.

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 Chemtech 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 May 2016		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW- 6 MW-6-20160524 H3272-03 CTECH H3272 WATER 5/24/2016 12:35 6/23/2016	MW- 7 MW-7-20160524 H3272-02 CTECH H3272 WATER 5/24/2016 11:15 6/23/2016	MW- 8 MW-8-20160526 H3344-01 CTECH H3344 WATER 5/26/2016 8:10 6/23/2016	MW-9 MW-9-20160526 H3344-03 CTECH H3344 WATER 5/26/2016 10:25 6/23/2016
CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	1.5 J
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U
71-43-2	Benzene	ug/l	11.3	5 U	5 U	5 U
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/l	5 U	5 U	5 UJ	5 U
74-83-9	Bromomethane	ug/l	5 UJ	5 UJ	5 UJ	5 U
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 UJ	0.87 J
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	ug/l	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/l	2 J	5 U	1.7 J	1.2 J
98-82-8	Isopropylbenzene (Cumene)	ug/l	1.7 J	5 U	13	5 U
179601-23-1	m,p-Xylene	ug/l	10 U	10 U	2.6 J	2 J
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U
108-87-2	Methylcyclohexane	ug/l	5 U	5 U	7.3	5 U
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	2 J	5 U	0.91 J	2.4 J
100-42-5	Styrene	ug/l	5 U	5 U	5 U	2 J
1634-04-4	Tert-Butyl Methyl Ether	ug/l	5 U	5 U	5 U	5.5
127-18-4	Tetrachloroethylene (PCE)	ug/l	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/l	0.4 J	5 U	5 U	8
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 UJ	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	5 U	5 U	5 U	0.84 J
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U

Con Ed - White Plains Validated Groundwater Analytical Data May 2016		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW- 6 MW-6-20160524 H3272-03 CTECH H3272 WATER 5/24/2016 12:35 6/23/2016	MW- 7 MW-7-20160524 H3272-02 CTECH H3272 WATER 5/24/2016 11:15 6/23/2016	MW- 8 MW-8-20160526 H3344-01 CTECH H3344 WATER 5/26/2016 8:10 6/23/2016	MW-9 MW-9-20160526 H3344-03 CTECH H3344 WATER 5/26/2016 10:25 6/23/2016
CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10.4 U	10.1 U	10 U	10.1 U
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
95-95-4	2,4,5-Trichlorophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
120-83-2	2,4-Dichlorophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
105-67-9	2,4-Dimethylphenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
51-28-5	2,4-Dinitrophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
121-14-2	2,4-Dinitrotoluene	ug/l	10.4 U	10.1 U	10 U	10.1 U
606-20-2	2,6-Dinitrotoluene	ug/l	10.4 U	10.1 U	10 U	10.1 U
91-58-7	2-Chloronaphthalene	ug/l	10.4 U	10.1 U	10 U	10.1 U
95-57-8	2-Chlorophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
91-57-6	2-Methylnaphthalene	ug/l	10.4 U	10.1 U	65.8 J	10.1 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10.4 U	10.1 U	10 U	10.1 U
88-74-4	2-Nitroaniline	ug/l	10.4 U	10.1 U	10 U	10.1 U
88-75-5	2-Nitrophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l	10.4 U	10.1 U	10 U	10.1 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10.4 U	10.1 U	10 U	10.1 U
99-09-2	3-Nitroaniline	ug/l	10.4 U	10.1 U	10 U	10.1 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10.4 U	10.1 U	10 U	10.1 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
106-47-8	4-Chloroaniline	ug/l	10.4 U	10.1 U	10 U	10.1 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10.4 U	10.1 U	10 U	10.1 U
100-01-6	4-Nitroaniline	ug/l	10.4 U	10.1 U	10 U	10.1 U
100-02-7	4-Nitrophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
83-32-9	Acenaphthene	ug/l	9.3 J	10.1 U	18.7	10.1 U
208-96-8	Acenaphthylene	ug/l	10.4 U	10.1 U	10 U	2.7 J
98-86-2	Acetophenone	ug/l	10.4 U	10.1 U	10 U	10.1 U
120-12-7	Anthracene	ug/l	10.4 U	10.1 U	10 U	10.1 U
1912-24-9	Atrazine	ug/l	10.4 U	10.1 U	10 U	10.1 U
100-52-7	Benzaldehyde	ug/l	10.4 U	10.1 U	10 UJ	10.1 UJ
56-55-3	Benzo(A)Anthracene	ug/l	10.4 U	10.1 U	10 U	10.1 U
50-32-8	Benzo(A)Pyrene	ug/l	10.4 U	10.1 U	10 U	10.1 U
205-99-2	Benzo(B)Fluoranthene	ug/l	10.4 U	10.1 U	10 U	10.1 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10.4 UJ	10.1 UJ	10 U	10.1 U
207-08-9	Benzo(K)Fluoranthene	ug/l	10.4 U	10.1 U	10 U	10.1 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10.4 U	10.1 U	10 U	10.1 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10.4 U	10.1 U	6.9 J	10.1 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10.4 U	10.1 U	10 U	10.1 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	10.4 U	10.1 U	10 U	10.1 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10.4 U	10.1 U	10 U	10.1 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10.4 U	10.1 U	10 U	10.1 U
105-60-2	Caprolactam	ug/l	10.4 U	10.1 U	10 U	10.1 U
86-74-8	Carbazole	ug/l	10.4 U	10.1 U	10 U	10.1 U
218-01-9	Chrysene	ug/l	10.4 U	10.1 U	10 U	10.1 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	10.4 UJ	10.1 UJ	10 U	10.1 U
132-64-9	Dibenzofuran	ug/l	10.4 U	10.1 U	10 U	10.1 U
84-66-2	Diethyl Phthalate	ug/l	10.4 U	10.1 U	10 U	10.1 U
131-11-3	Dimethyl Phthalate	ug/l	3.4 J	3.6 J	10 U	10.1 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10.4 U	10.1 U	10 U	10.1 U
117-84-0	Di-N-Octylphthalate	ug/l	10.4 U	10.1 U	10 U	10.1 U
206-44-0	Fluoranthene	ug/l	10.4 U	10.1 U	10 U	10.1 U
86-73-7	Fluorene	ug/l	10.4 U	10.1 U	4.2 J	10.1 U
118-74-1	Hexachlorobenzene	ug/l	10.4 U	10.1 U	10 U	10.1 U
87-68-3	Hexachlorobutadiene	ug/l	10.4 U	10.1 U	10 U	10.1 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10.4 U	10.1 U	10 U	10.1 U
67-72-1	Hexachloroethane	ug/l	10.4 U	10.1 U	10 U	10.1 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10.4 UJ	10.1 UJ	10 U	10.1 U
78-59-1	Isophorone	ug/l	10.4 U	10.1 U	10 U	10.1 U
91-20-3	Naphthalene	ug/l	10.4 U	10.1 U	1500	4.9 J
98-95-3	Nitrobenzene	ug/l	10.4 U	10.1 U	10 U	10.1 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10.4 U	10.1 U	10 U	10.1 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10.4 U	10.1 U	10 U	10.1 U
87-86-5	Pentachlorophenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
85-01-8	Phenanthrene	ug/l	10.4 U	10.1 U	3.1 J	10.1 U
108-95-2	Phenol	ug/l	10.4 U	10.1 U	10 U	10.1 U
129-00-0	Pyrene	ug/l	10.4 U	10.1 U	10 U	10.1 U

							Dup of MW-11B-20160524
Con Ed - White Plains Validated Groundwater Analytical Data May 2016		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10-20160525 H3291-03 CTECH H3291 WATER 5/25/2016 12:50 6/23/2016	MW-11A MW-11A-20160524 H3272-05 CTECH H3272 WATER 5/24/2016 13:00 6/23/2016	MW-11B MW-11B-20160524 H3272-06 CTECH H3272 WATER 5/24/2016 14:00 6/23/2016	MW-11B MW-11B-20160524 H3272-09 CTECH H3272 WATER 5/24/2016 14:00 6/23/2016	
CAS NO.	COMPOUND	UNITS:					
	VOLATILES						
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U	
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U	
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U	
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U	
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U	
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U	
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U	
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U	
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U	
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U	
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U	
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	5 U	
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U	
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U	
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U	
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U	
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U	
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U	
71-43-2	Benzene	ug/l	5 U	5 U	5 U	5 U	
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U	
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U	
75-25-2	Bromoform	ug/l	5 U	5 U	5 U	5 U	
74-83-9	Bromomethane	ug/l	5 U	5 UJ	5 UJ	5 UJ	
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U	
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U	
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U	
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U	
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U	
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U	
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 U	5 U	
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U	
110-82-7	Cyclohexane	ug/l	5 U	5 U	5 U	5 U	
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U	
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U	
100-41-4	Ethylbenzene	ug/l	5 U	5 U	5 U	5 U	
98-82-8	Isopropylbenzene (Cumene)	ug/l	5 U	5 U	5 U	5 U	
179601-23-1	m,p-Xylene	ug/l	10 U	10 U	10 U	10 U	
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U	
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U	
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U	
108-87-2	Methylcyclohexane	ug/l	5 U	5 U	5 U	5 U	
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U	
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	5 U	5 U	5 U	5 U	
100-42-5	Styrene	ug/l	5 U	5 U	5 U	5 U	
1634-04-4	Tert-Butyl Methyl Ether	ug/l	5 U	5 U	5 U	5 U	
127-18-4	Tetrachloroethylene (PCE)	ug/l	5 U	5 U	5 U	5 U	
108-88-3	Toluene	ug/l	5 U	5 U	5 U	5 U	
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U	
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U	
79-01-6	Trichloroethylene (TCE)	ug/l	5 U	5 U	5 U	5 U	
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U	
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U	

							Dup of MW-11B-20160524
Con Ed - White Plains Validated Groundwater Analytical Data May 2016		Location ID: Sample ID: Lab Sample Id: Source: SDG: Matrix: Sampled: Validated:	MW-10 MW-10-20160525 H3291-03 CTECH H3291 WATER 5/25/2016 12:50 6/23/2016	MW-11A MW-11A-20160524 H3272-05 CTECH H3272 WATER 5/24/2016 13:00 6/23/2016	MW-11B MW-11B-20160524 H3272-06 CTECH H3272 WATER 5/24/2016 14:00 6/23/2016	MW-11B MW-11B-20160524 H3272-09 CTECH H3272 WATER 5/24/2016 14:00 6/23/2016	
CAS NO.	COMPOUND	UNITS:					
	SEMIVOLATILES						
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10 U	10.1 U	10.3 U	10 U	
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
95-95-4	2,4,5-Trichlorophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
88-06-2	2,4,6-Trichlorophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
120-83-2	2,4-Dichlorophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
105-67-9	2,4-Dimethylphenol	ug/l	10 U	10.1 U	10.3 U	10 U	
51-28-5	2,4-Dinitrophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
121-14-2	2,4-Dinitrotoluene	ug/l	10 U	10.1 U	10.3 U	10 U	
606-20-2	2,6-Dinitrotoluene	ug/l	10 U	10.1 U	10.3 U	10 U	
91-58-7	2-Chloronaphthalene	ug/l	10 U	10.1 U	10.3 U	10 U	
95-57-8	2-Chlorophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
91-57-6	2-Methylnaphthalene	ug/l	10 U	10.1 U	10.3 U	10 U	
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 U	10.1 U	10.3 U	10 U	
88-74-4	2-Nitroaniline	ug/l	10 U	10.1 U	10.3 U	10 U	
88-75-5	2-Nitrophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l	10 U	10.1 U	10.3 U	10 U	
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	10.1 U	10.3 U	10 U	
99-09-2	3-Nitroaniline	ug/l	10 U	10.1 U	10.3 U	10 U	
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	10 U	10.1 U	10.3 U	10 U	
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	10.1 U	10.3 U	10 U	
59-50-7	4-Chloro-3-Methylphenol	ug/l	10 U	10.1 U	10.3 U	10 U	
106-47-8	4-Chloroaniline	ug/l	10 U	10.1 U	10.3 U	10 U	
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	10.1 U	10.3 U	10 U	
100-01-6	4-Nitroaniline	ug/l	10 U	10.1 U	10.3 U	10 U	
100-02-7	4-Nitrophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
83-32-9	Acenaphthene	ug/l	10 U	10.1 U	10.3 U	10 U	
208-96-8	Acenaphthylene	ug/l	10 U	10.1 U	10.3 U	10 U	
98-86-2	Acetophenone	ug/l	10 U	10.1 U	10.3 U	10 U	
120-12-7	Anthracene	ug/l	10 U	10.1 U	10.3 U	10 U	
1912-24-9	Atrazine	ug/l	10 U	10.1 U	10.3 U	10 U	
100-52-7	Benzaldehyde	ug/l	10 U	10.1 U	10.3 U	10 U	
56-55-3	Benzo(A)Anthracene	ug/l	10 U	10.1 U	10.3 U	10 U	
50-32-8	Benzo(A)Pyrene	ug/l	10 U	10.1 U	10.3 U	10 U	
205-99-2	Benzo(B)Fluoranthene	ug/l	10 U	10.1 U	10.3 U	10 U	
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	10.1 U	10.3 U	10 U	
207-08-9	Benzo(K)Fluoranthene	ug/l	10 U	10.1 U	10.3 U	10 U	
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	10.1 U	10.3 U	10 U	
92-52-4	Biphenyl (Diphenyl)	ug/l	10 U	10.1 U	10.3 U	10 U	
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10 U	10.1 U	10.3 U	10 U	
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	10 U	10.1 U	10.3 U	10 U	
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	10.1 U	10.3 U	10 U	
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10 U	10.1 U	10.3 U	10 U	
105-60-2	Caprolactam	ug/l	10 U	10.1 U	10.3 U	10 U	
86-74-8	Carbazole	ug/l	10 U	10.1 U	10.3 U	10 U	
218-01-9	Chrysene	ug/l	10 U	10.1 U	10.3 U	10 U	
53-70-3	Dibenz(A,H)Anthracene	ug/l	10 U	10.1 U	10.3 U	10 U	
132-64-9	Dibenzofuran	ug/l	10 U	10.1 U	10.3 U	10 U	
84-66-2	Diethyl Phthalate	ug/l	10 U	10.1 U	10.3 U	10 U	
131-11-3	Dimethyl Phthalate	ug/l	10 U	3.2 J	2.4 J	10 U	
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	10.1 U	10.3 U	10 U	
117-84-0	Di-N-Octylphthalate	ug/l	10 U	10.1 U	10.3 U	10 U	
206-44-0	Fluoranthene	ug/l	10 U	10.1 U	10.3 U	10 U	
86-73-7	Fluorene	ug/l	10 U	10.1 U	10.3 U	10 U	
118-74-1	Hexachlorobenzene	ug/l	10 U	10.1 U	10.3 U	10 U	
87-68-3	Hexachlorobutadiene	ug/l	10 U	10.1 U	10.3 U	10 U	
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	10.1 U	10.3 U	10 U	
67-72-1	Hexachloroethane	ug/l	10 U	10.1 U	10.3 U	10 U	
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10 U	10.1 U	10.3 U	10 U	
78-59-1	Isophorone	ug/l	10 U	10.1 U	10.3 U	10 U	
91-20-3	Naphthalene	ug/l	10 U	10.1 U	10.3 U	10 U	
98-95-3	Nitrobenzene	ug/l	10 U	10.1 U	10.3 U	10 U	
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10 U	10.1 U	10.3 U	10 U	
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	10.1 U	10.3 U	10 U	
87-86-5	Pentachlorophenol	ug/l	10 U	10.1 U	10.3 U	10 U	
85-01-8	Phenanthrene	ug/l	10 U	10.1 U	10.3 U	10 U	
108-95-2	Phenol	ug/l	10 U	10.1 U	10.3 U	10 U	
129-00-0	Pyrene	ug/l	10 U	10.1 U	10.3 U	10 U	

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CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	2.1 J
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U
71-43-2	Benzene	ug/l	5 U	5 U	5 U	5 U
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/l	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/l	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 U	5 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	ug/l	38.8	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/l	180	5 U	5 U	5 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	18.6	5 U	5 U	5 U
179601-23-1	m,p-Xylene	ug/l	1200	10 U	10 U	10 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U
108-87-2	Methylcyclohexane	ug/l	71.4	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	680	5 U	5 U	5 U
100-42-5	Styrene	ug/l	350	5 U	5 U	5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	5 U	5 U	5 U	230
127-18-4	Tetrachloroethylene (PCE)	ug/l	6.1	5 U	5 U	5 U
108-88-3	Toluene	ug/l	3.2 J	5 U	5 U	5 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	4.8 J	5 U	5 U	5 U
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U

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CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10 U	10 U	10.1 U	10.3 U
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10 U	10 U	10.1 U	10.3 U
95-95-4	2,4,5-Trichlorophenol	ug/l	10 U	10 U	10.1 U	10.3 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10 U	10 U	10.1 U	10.3 U
120-83-2	2,4-Dichlorophenol	ug/l	5000 U	10 U	10.1 U	10.3 U
105-67-9	2,4-Dimethylphenol	ug/l	5000 U	10 U	10.1 U	10.3 U
51-28-5	2,4-Dinitrophenol	ug/l	10 U	10 U	10.1 U	10.3 U
121-14-2	2,4-Dinitrotoluene	ug/l	10 U	10 U	10.1 U	10.3 U
606-20-2	2,6-Dinitrotoluene	ug/l	10 U	10 U	10.1 U	10.3 U
91-58-7	2-Chloronaphthalene	ug/l	10 U	10 U	10.1 U	10.3 U
95-57-8	2-Chlorophenol	ug/l	10 U	10 U	10.1 U	10.3 U
91-57-6	2-Methylnaphthalene	ug/l	2300 J	10 U	10.1 U	10.3 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10 U	10 U	10.1 U	10.3 U
88-74-4	2-Nitroaniline	ug/l	10 U	10 U	10.1 U	10.3 U
88-75-5	2-Nitrophenol	ug/l	5000 U	10 U	10.1 U	10.3 U
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l	10 U	10 U	10.1 U	10.3 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10 U	10 U	10.1 U	10.3 U
99-09-2	3-Nitroaniline	ug/l	10 U	10 U	10.1 U	10.3 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	10 U	10 U	10.1 U	10.3 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10 U	10 U	10.1 U	10.3 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	5000 U	10 U	10.1 U	10.3 U
106-47-8	4-Chloroaniline	ug/l	5000 U	10 U	10.1 U	10.3 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10 U	10 U	10.1 U	10.3 U
100-01-6	4-Nitroaniline	ug/l	10 U	10 U	10.1 U	10.3 U
100-02-7	4-Nitrophenol	ug/l	10 U	10 U	10.1 U	10.3 U
83-32-9	Acenaphthene	ug/l	18.4	10 U	10.1 U	10.3 U
208-96-8	Acenaphthylene	ug/l	65	10 U	10.1 U	10.3 U
98-86-2	Acetophenone	ug/l	5000 U	10 U	10.1 U	10.3 U
120-12-7	Anthracene	ug/l	5.8 J	10 U	10.1 U	10.3 U
1912-24-9	Atrazine	ug/l	10 U	10 U	10.1 U	10.3 U
100-52-7	Benzaldehyde	ug/l	10 UJ	10 U	10.1 U	10.3 UJ
56-55-3	Benzo(A)Anthracene	ug/l	10 U	10 U	10.1 U	10.3 U
50-32-8	Benzo(A)Pyrene	ug/l	10 U	10 U	10.1 U	10.3 U
205-99-2	Benzo(B)Fluoranthene	ug/l	10 U	10 U	10.1 U	10.3 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10 U	10 U	10.1 U	10.3 U
207-08-9	Benzo(K)Fluoranthene	ug/l	10 U	10 U	10.1 U	10.3 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10 U	10 U	10.1 U	10.3 U
92-52-4	Biphenyl (Diphenyl)	ug/l	63.1	10 U	10.1 U	10.3 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	5000 U	10 U	10.1 U	10.3 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	10 U	10 U	10.1 U	10.3 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10 U	10 U	10.1 U	10.3 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10 U	10 U	10.1 U	10.3 U
105-60-2	Caprolactam	ug/l	5000 U	10 U	10.1 U	10.3 U
86-74-8	Carbazole	ug/l	9.7 J	10 U	10.1 U	10.3 U
218-01-9	Chrysene	ug/l	10 U	10 U	10.1 U	10.3 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	10 U	10 U	10.1 U	10.3 U
132-64-9	Dibenzofuran	ug/l	4.6 J	10 U	10.1 U	10.3 U
84-66-2	Diethyl Phthalate	ug/l	10 U	10 U	10.1 U	10.3 U
131-11-3	Dimethyl Phthalate	ug/l	9.5 J	10 U	10.1 U	10.3 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10 U	10 U	10.1 U	10.3 U
117-84-0	Di-N-Octylphthalate	ug/l	10 U	10 U	10.1 U	10.3 U
206-44-0	Fluoranthene	ug/l	3 J	10 U	10.1 U	10.3 U
86-73-7	Fluorene	ug/l	51.5	10 U	10.1 U	10.3 U
118-74-1	Hexachlorobenzene	ug/l	10 U	10 U	10.1 U	10.3 U
87-68-3	Hexachlorobutadiene	ug/l	5000 U	10 U	10.1 U	10.3 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10 U	10 U	10.1 U	10.3 U
67-72-1	Hexachloroethane	ug/l	10 U	10 U	10.1 U	10.3 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10 U	10 U	10.1 U	10.3 U
78-59-1	Isophorone	ug/l	5000 U	10 U	10.1 U	10.3 U
91-20-3	Naphthalene	ug/l	32300	10 U	10.1 U	10.3 U
98-95-3	Nitrobenzene	ug/l	5000 U	10 U	10.1 U	10.3 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10 U	10 U	10.1 U	10.3 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10 U	10 U	10.1 U	10.3 U
87-86-5	Pentachlorophenol	ug/l	10 U	10 U	10.1 U	10.3 U
85-01-8	Phenanthrene	ug/l	43.7	10 U	10.1 U	10.3 U
108-95-2	Phenol	ug/l	10 U	10 U	10.1 U	10.3 U
129-00-0	Pyrene	ug/l	3.5 J	10 U	10.1 U	10.3 U

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CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U
71-43-2	Benzene	ug/l	29.2	2.4 J	74.1	5 U
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/l	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/l	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 U	5 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	ug/l	19.7	5 U	15.5	5 U
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/l	250 J	6.6	170	5 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	5.6	5 U	6.3	5 U
179601-23-1	m,p-Xylene	ug/l	1200	15.7	490 J	10 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U
108-87-2	Methylcyclohexane	ug/l	29.4	5 U	21.3	5 U
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	660	16.8	530	5 U
100-42-5	Styrene	ug/l	820	39.2	580	5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	5 U	92.2	5 U	5 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	0.67 J	5 U	0.59 J	5 U
108-88-3	Toluene	ug/l	2600	67.6	1300	5 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	5 U	5 U	1.8 J	5 U
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U

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CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
95-95-4	2,4,5-Trichlorophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
120-83-2	2,4-Dichlorophenol	ug/l	2000 U	10.3 U	510 U	10.2 U
105-67-9	2,4-Dimethylphenol	ug/l	2000 U	10.3 U	510 U	10.2 U
51-28-5	2,4-Dinitrophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
121-14-2	2,4-Dinitrotoluene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
606-20-2	2,6-Dinitrotoluene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
91-58-7	2-Chloronaphthalene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
95-57-8	2-Chlorophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
91-57-6	2-Methylnaphthalene	ug/l	830 J	10.3 U	390 J	10.2 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
88-74-4	2-Nitroaniline	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
88-75-5	2-Nitrophenol	ug/l	2000 U	10.3 U	510 U	10.2 U
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l	3.2 J	10.3 U	10.1 U	10.2 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
99-09-2	3-Nitroaniline	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	2000 U	10.3 U	510 U	10.2 U
106-47-8	4-Chloroaniline	ug/l	2000 U	10.3 U	510 U	10.2 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
100-01-6	4-Nitroaniline	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
100-02-7	4-Nitrophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
83-32-9	Acenaphthene	ug/l	15.4	10.3 U	12.3	10.2 U
208-96-8	Acenaphthylene	ug/l	550 J	7.3 J	79.9	10.2 U
98-86-2	Acetophenone	ug/l	2000 U	10.3 U	510 U	10.2 U
120-12-7	Anthracene	ug/l	6.9 J	10.3 U	3.3 J	10.2 U
1912-24-9	Atrazine	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
100-52-7	Benzaldehyde	ug/l	10.1 U	2.4 J	10.1 U	10.2 U
56-55-3	Benzo(A)Anthracene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
50-32-8	Benzo(A)Pyrene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
205-99-2	Benzo(B)Fluoranthene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
207-08-9	Benzo(K)Fluoranthene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
92-52-4	Biphenyl (Diphenyl)	ug/l	43.9	10.3 U	36.5	10.2 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	2000 U	10.3 U	510 U	10.2 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
105-60-2	Caprolactam	ug/l	2000 U	10.3 U	510 U	10.2 U
86-74-8	Carbazole	ug/l	5 J	10.3 U	3.9 J	10.2 U
218-01-9	Chrysene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
132-64-9	Dibenzofuran	ug/l	3.4 J	10.3 U	2.7 J	10.2 U
84-66-2	Diethyl Phthalate	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
131-11-3	Dimethyl Phthalate	ug/l	2.9 J	10.3 U	6.4 J	10.2 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
117-84-0	Di-N-Octylphthalate	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
206-44-0	Fluoranthene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
86-73-7	Fluorene	ug/l	36	10.3 U	10.2	10.2 U
118-74-1	Hexachlorobenzene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
87-68-3	Hexachlorobutadiene	ug/l	2000 U	10.3 U	510 U	10.2 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
67-72-1	Hexachloroethane	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
78-59-1	Isophorone	ug/l	2000 U	10.3 U	510 U	10.2 U
91-20-3	Naphthalene	ug/l	10700	120	3300	10.2 U
98-95-3	Nitrobenzene	ug/l	2000 U	10.3 U	510 U	10.2 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
87-86-5	Pentachlorophenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
85-01-8	Phenanthrene	ug/l	43.4	10.3 U	28.9	10.2 U
108-95-2	Phenol	ug/l	10.1 U	10.3 U	10.1 U	10.2 U
129-00-0	Pyrene	ug/l	2.3 J	10.3 U	10.1 U	10.2 U

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CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U
71-43-2	Benzene	ug/l	18.9	5 U	5 U	9.2
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/l	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/l	5 U	5 UJ	5 UJ	5 U
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 U	5 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	ug/l	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/l	2.1 J	5 U	5 U	5 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	2.9 J	5 U	5 U	5 U
179601-23-1	m,p-Xylene	ug/l	7 J	10 U	10 U	10 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U
108-87-2	Methylcyclohexane	ug/l	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	23.7	5 U	5 U	5 U
100-42-5	Styrene	ug/l	5 U	5 U	5 U	5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	2.8 J	5 U	5 U	5 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	0.58 J	5 U	5 U	5 U
108-88-3	Toluene	ug/l	9.1	5 U	5 U	5 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	5 U	5 U	5 U	5 U
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U

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CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10.1 U	10 U	10 U	10.2 U
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10.1 U	10 U	10 U	10.2 U
95-95-4	2,4,5-Trichlorophenol	ug/l	10.1 U	10 U	10 U	10.2 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10.1 U	10 U	10 U	10.2 U
120-83-2	2,4-Dichlorophenol	ug/l	10.1 U	10 U	10 U	10.2 U
105-67-9	2,4-Dimethylphenol	ug/l	10.1 U	10 U	10 U	10.2 U
51-28-5	2,4-Dinitrophenol	ug/l	10.1 U	10 U	10 U	10.2 U
121-14-2	2,4-Dinitrotoluene	ug/l	10.1 U	10 U	10 U	10.2 U
606-20-2	2,6-Dinitrotoluene	ug/l	10.1 U	10 U	10 U	10.2 U
91-58-7	2-Chloronaphthalene	ug/l	10.1 U	10 U	10 U	10.2 U
95-57-8	2-Chlorophenol	ug/l	10.1 U	10 U	10 U	10.2 U
91-57-6	2-Methylnaphthalene	ug/l	10.1 U	10 U	10 U	10.2 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10.1 U	10 U	10 U	10.2 U
88-74-4	2-Nitroaniline	ug/l	10.1 U	10 U	10 U	10.2 U
88-75-5	2-Nitrophenol	ug/l	10.1 U	10 U	10 U	10.2 U
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l	10.1 U	10 U	10 U	10.2 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10.1 U	10 U	10 U	10.2 U
99-09-2	3-Nitroaniline	ug/l	10.1 U	10 U	10 U	10.2 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	10.1 U	10 U	10 U	10.2 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10.1 U	10 U	10 U	10.2 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10.1 U	10 U	10 U	10.2 U
106-47-8	4-Chloroaniline	ug/l	10.1 U	10 U	10 U	10.2 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10.1 U	10 U	10 U	10.2 U
100-01-6	4-Nitroaniline	ug/l	10.1 U	10 U	10 U	10.2 U
100-02-7	4-Nitrophenol	ug/l	10.1 U	10 U	10 U	10.2 U
83-32-9	Acenaphthene	ug/l	2.9 J	10 U	10 U	15.7
208-96-8	Acenaphthylene	ug/l	8.4 J	10 U	10 U	10.2 U
98-86-2	Acetophenone	ug/l	10.1 U	10 U	10 U	10.2 U
120-12-7	Anthracene	ug/l	10.1 U	10 U	10 U	10.2 U
1912-24-9	Atrazine	ug/l	10.1 U	10 U	10 U	10.2 U
100-52-7	Benzaldehyde	ug/l	10.1 U	10 U	10 U	10.2 U
56-55-3	Benzo(A)Anthracene	ug/l	10.1 U	10 U	10 U	10.2 U
50-32-8	Benzo(A)Pyrene	ug/l	10.1 U	10 U	10 U	10.2 U
205-99-2	Benzo(B)Fluoranthene	ug/l	10.1 U	10 U	10 U	10.2 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10.1 U	10 U	10 U	10.2 U
207-08-9	Benzo(K)Fluoranthene	ug/l	10.1 U	10 U	10 U	10.2 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10.1 U	10 U	10 U	10.2 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10.1 U	10 U	10 U	10.2 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10.1 U	10 U	10 U	10.2 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	10.1 U	10 U	10 U	10.2 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10.1 U	10 U	10 U	10.2 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10.1 U	10 U	10 U	10.2 U
105-60-2	Caprolactam	ug/l	10.1 U	10 U	10 U	10.2 U
86-74-8	Carbazole	ug/l	10.1 U	10 U	10 U	10.2 U
218-01-9	Chrysene	ug/l	10.1 U	10 U	10 U	10.2 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	10.1 U	10 U	10 U	10.2 U
132-64-9	Dibenzofuran	ug/l	10.1 U	10 U	10 U	10.2 U
84-66-2	Diethyl Phthalate	ug/l	10.1 U	10 U	10 U	10.2 U
131-11-3	Dimethyl Phthalate	ug/l	10.1 U	3.5 J	3.7 J	10.2 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10.1 U	10 U	10 U	10.2 U
117-84-0	Di-N-Octylphthalate	ug/l	10.1 U	10 U	10 U	10.2 U
206-44-0	Fluoranthene	ug/l	10.1 U	10 U	10 U	10.2 U
86-73-7	Fluorene	ug/l	10.1 U	10 U	10 U	10.2 U
118-74-1	Hexachlorobenzene	ug/l	10.1 U	10 U	10 U	10.2 U
87-68-3	Hexachlorobutadiene	ug/l	10.1 U	10 U	10 U	10.2 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10.1 U	10 U	10 U	10.2 U
67-72-1	Hexachloroethane	ug/l	10.1 U	10 U	10 U	10.2 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10.1 U	10 U	10 U	10.2 U
78-59-1	Isophorone	ug/l	10.1 U	10 U	10 U	10.2 U
91-20-3	Naphthalene	ug/l	42.9	10 U	10 U	10.2 U
98-95-3	Nitrobenzene	ug/l	10.1 U	10 U	10 U	10.2 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10.1 U	10 U	10 U	10.2 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10.1 U	10 U	10 U	10.2 U
87-86-5	Pentachlorophenol	ug/l	10.1 U	10 U	10 U	10.2 U
85-01-8	Phenanthrene	ug/l	10.1 U	10 U	10 U	10.2 U
108-95-2	Phenol	ug/l	10.1 U	10 U	10 U	10.2 U
129-00-0	Pyrene	ug/l	10.1 U	10 U	10 U	10.2 U

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CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U
71-43-2	Benzene	ug/l	5 U	5 U	5 U	5 U
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/l	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/l	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 U	5 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	ug/l	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/l	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	5 U	5 U	5 U	5 U
179601-23-1	m,p-Xylene	ug/l	10 U	10 U	10 U	10 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U
108-87-2	Methylcyclohexane	ug/l	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/l	5 U	5 U	5 U	5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/l	5 U	5 U	5 U	5 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	5 U	5 U	5 U	5 U
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U

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CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l	10.1 U	10 U	10.2 U	10 U
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l	10.1 U	10 U	10.2 U	10 U
95-95-4	2,4,5-Trichlorophenol	ug/l	10.1 U	10 U	10.2 U	10 U
88-06-2	2,4,6-Trichlorophenol	ug/l	10.1 U	10 U	10.2 U	10 U
120-83-2	2,4-Dichlorophenol	ug/l	10.1 U	10 U	10.2 U	10 U
105-67-9	2,4-Dimethylphenol	ug/l	10.1 U	10 U	10.2 U	10 U
51-28-5	2,4-Dinitrophenol	ug/l	10.1 U	10 U	10.2 U	10 U
121-14-2	2,4-Dinitrotoluene	ug/l	10.1 U	10 U	10.2 U	10 U
606-20-2	2,6-Dinitrotoluene	ug/l	10.1 U	10 U	10.2 U	10 U
91-58-7	2-Chloronaphthalene	ug/l	10.1 U	10 U	10.2 U	10 U
95-57-8	2-Chlorophenol	ug/l	10.1 U	10 U	10.2 U	10 U
91-57-6	2-Methylnaphthalene	ug/l	10.1 U	10 U	10.2 U	10 U
95-48-7	2-Methylphenol (O-Cresol)	ug/l	10.1 U	10 U	10.2 U	10 U
88-74-4	2-Nitroaniline	ug/l	10.1 U	10 U	10.2 U	10 U
88-75-5	2-Nitrophenol	ug/l	10.1 U	10 U	10.2 U	10 U
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l	10.1 U	10 U	10.2 U	10 U
91-94-1	3,3'-Dichlorobenzidine	ug/l	10.1 U	10 U	10.2 U	10 U
99-09-2	3-Nitroaniline	ug/l	10.1 U	10 U	10.2 U	10 U
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l	10.1 U	10 U	10.2 U	10 U
101-55-3	4-Bromophenyl Phenyl Ether	ug/l	10.1 U	10 U	10.2 U	10 U
59-50-7	4-Chloro-3-Methylphenol	ug/l	10.1 U	10 U	10.2 U	10 U
106-47-8	4-Chloroaniline	ug/l	10.1 U	10 U	10.2 U	10 U
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l	10.1 U	10 U	10.2 U	10 U
100-01-6	4-Nitroaniline	ug/l	10.1 U	10 U	10.2 U	10 U
100-02-7	4-Nitrophenol	ug/l	10.1 U	10 U	10.2 U	10 U
83-32-9	Acenaphthene	ug/l	10.1 U	10 U	10.2 U	10 U
208-96-8	Acenaphthylene	ug/l	10.1 U	10 U	10.2 U	10 U
98-86-2	Acetophenone	ug/l	10.1 U	10 U	10.2 U	10 U
120-12-7	Anthracene	ug/l	10.1 U	10 U	10.2 U	10 U
1912-24-9	Atrazine	ug/l	10.1 U	10 U	10.2 U	10 U
100-52-7	Benzaldehyde	ug/l	10.1 U	10 U	10.2 U	10 U
56-55-3	Benzo(A)Anthracene	ug/l	10.1 U	10 U	10.2 U	10 U
50-32-8	Benzo(A)Pyrene	ug/l	10.1 U	10 U	10.2 U	10 U
205-99-2	Benzo(B)Fluoranthene	ug/l	10.1 U	10 U	10.2 U	10 U
191-24-2	Benzo(G,H,I)Perylene	ug/l	10.1 U	10 U	10.2 U	10 U
207-08-9	Benzo(K)Fluoranthene	ug/l	10.1 U	10 U	10.2 U	10 U
85-68-7	Benzyl Butyl Phthalate	ug/l	10.1 U	10 U	10.2 U	10 U
92-52-4	Biphenyl (Diphenyl)	ug/l	10.1 U	10 U	10.2 U	10 U
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l	10.1 U	10 U	10.2 U	10 U
111-44-4	Bis(2-Chloroethyl) Ether	ug/l	10.1 U	10 U	10.2 U	10 U
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l	10.1 U	10 U	10.2 U	10 U
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l	10.1 U	10 U	10.2 U	10 U
105-60-2	Caprolactam	ug/l	10.1 U	10 U	10.2 U	10 U
86-74-8	Carbazole	ug/l	10.1 U	10 U	10.2 U	10 U
218-01-9	Chrysene	ug/l	10.1 U	10 U	10.2 U	10 U
53-70-3	Dibenz(A,H)Anthracene	ug/l	10.1 U	10 U	10.2 U	10 U
132-64-9	Dibenzofuran	ug/l	10.1 U	10 U	10.2 U	10 U
84-66-2	Diethyl Phthalate	ug/l	10.1 U	10 U	10.2 U	10 U
131-11-3	Dimethyl Phthalate	ug/l	10.1 U	10 U	2.1 J	10 U
84-74-2	Di-N-Butyl Phthalate	ug/l	10.1 U	10 U	10.2 U	10 U
117-84-0	Di-N-Octylphthalate	ug/l	10.1 U	10 U	10.2 U	10 U
206-44-0	Fluoranthene	ug/l	10.1 U	10 U	10.2 U	10 U
86-73-7	Fluorene	ug/l	10.1 U	10 U	10.2 U	10 U
118-74-1	Hexachlorobenzene	ug/l	10.1 U	10 U	10.2 U	10 U
87-68-3	Hexachlorobutadiene	ug/l	10.1 U	10 U	10.2 U	10 U
77-47-4	Hexachlorocyclopentadiene	ug/l	10.1 U	10 U	10.2 U	10 U
67-72-1	Hexachloroethane	ug/l	10.1 U	10 U	10.2 U	10 U
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l	10.1 U	10 U	10.2 U	10 U
78-59-1	Isophorone	ug/l	10.1 U	10 U	10.2 U	10 U
91-20-3	Naphthalene	ug/l	10.1 U	10 U	10.2 U	7.8 J
98-95-3	Nitrobenzene	ug/l	10.1 U	10 U	10.2 U	10 U
621-64-7	N-Nitrosodi-N-Propylamine	ug/l	10.1 U	10 U	10.2 U	10 U
86-30-6	N-Nitrosodiphenylamine	ug/l	10.1 U	10 U	10.2 U	10 U
87-86-5	Pentachlorophenol	ug/l	10.1 U	10 U	10.2 U	10 U
85-01-8	Phenanthrene	ug/l	10.1 U	10 U	10.2 U	10 U
108-95-2	Phenol	ug/l	10.1 U	10 U	10.2 U	10 U
129-00-0	Pyrene	ug/l	10.1 U	10 U	10.2 U	10 U

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CAS NO.	COMPOUND	UNITS:				
	VOLATILES					
71-55-6	1,1,1-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
79-34-5	1,1,2,2-Tetrachloroethane	ug/l	5 U	5 U	5 U	5 U
76-13-1	1,1,2-Trichloro-1,2,2-Trifluoroethane	ug/l	5 U	5 U	5 U	5 U
79-00-5	1,1,2-Trichloroethane	ug/l	5 U	5 U	5 U	5 U
75-34-3	1,1-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
75-35-4	1,1-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
87-61-6	1,2,3-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
120-82-1	1,2,4-Trichlorobenzene	ug/l	5 U	5 U	5 U	5 U
96-12-8	1,2-Dibromo-3-Chloropropane	ug/l	5 U	5 U	5 U	5 U
106-93-4	1,2-Dibromoethane	ug/l	5 U	5 U	5 U	5 U
95-50-1	1,2-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
107-06-2	1,2-Dichloroethane	ug/l	5 U	5 U	5 U	5 U
78-87-5	1,2-Dichloropropane	ug/l	5 U	5 U	5 U	5 U
541-73-1	1,3-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
106-46-7	1,4-Dichlorobenzene	ug/l	5 U	5 U	5 U	5 U
123-91-1	1,4-Dioxane (P-Dioxane)	ug/l	100 U	100 U	100 U	100 U
591-78-6	2-Hexanone	ug/l	25 U	25 U	25 U	25 U
67-64-1	Acetone	ug/l	25 U	25 U	25 U	25 U
71-43-2	Benzene	ug/l	5 U	5 U	5 U	5 U
74-97-5	Bromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-27-4	Bromodichloromethane	ug/l	5 U	5 U	5 U	5 U
75-25-2	Bromoform	ug/l	5 U	5 U	5 U	5 U
74-83-9	Bromomethane	ug/l	5 U	5 U	5 U	5 U
75-15-0	Carbon Disulfide	ug/l	5 U	5 U	5 U	5 U
56-23-5	Carbon Tetrachloride	ug/l	5 U	5 U	5 U	5 U
108-90-7	Chlorobenzene	ug/l	5 U	5 U	5 U	5 U
75-00-3	Chloroethane	ug/l	5 U	5 U	5 U	5 U
67-66-3	Chloroform	ug/l	5 U	5 U	5 U	5 U
74-87-3	Chloromethane	ug/l	5 U	5 U	5 U	5 U
156-59-2	Cis-1,2-Dichloroethylene	ug/l	5 U	5 U	5 U	5 U
10061-01-5	Cis-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
110-82-7	Cyclohexane	ug/l	5 U	5 U	5 U	5 U
124-48-1	Dibromochloromethane	ug/l	5 U	5 U	5 U	5 U
75-71-8	Dichlorodifluoromethane	ug/l	5 U	5 U	5 U	5 U
100-41-4	Ethylbenzene	ug/l	5 U	5 U	5 U	5 U
98-82-8	Isopropylbenzene (Cumene)	ug/l	5 U	5 U	5 U	5 U
179601-23-1	m,p-Xylene	ug/l	10 U	10 U	10 U	10 U
79-20-9	Methyl Acetate	ug/l	5 U	5 U	5 U	5 U
78-93-3	Methyl Ethyl Ketone (2-Butanone)	ug/l	25 U	25 U	25 U	25 U
108-10-1	Methyl Isobutyl Ketone	ug/l	25 U	25 U	25 U	25 U
108-87-2	Methylcyclohexane	ug/l	5 U	5 U	5 U	5 U
75-09-2	Methylene Chloride	ug/l	5 U	5 U	5 U	5 U
95-47-6	O-Xylene (1,2-Dimethylbenzene)	ug/l	5 U	5 U	5 U	5 U
100-42-5	Styrene	ug/l	5 U	5 U	5 U	5 U
1634-04-4	Tert-Butyl Methyl Ether	ug/l	5 U	5 U	5 U	5 U
127-18-4	Tetrachloroethylene (PCE)	ug/l	5 U	5 U	5 U	5 U
108-88-3	Toluene	ug/l	5 U	5 U	5 U	5 U
156-60-5	Trans-1,2-Dichloroethene	ug/l	5 U	5 U	5 U	5 U
10061-02-6	Trans-1,3-Dichloropropene	ug/l	5 U	5 U	5 U	5 U
79-01-6	Trichloroethylene (TCE)	ug/l	5 U	5 U	5 U	5 U
75-69-4	Trichlorofluoromethane	ug/l	5 U	5 U	5 U	5 U
75-01-4	Vinyl Chloride	ug/l	5 U	5 U	5 U	5 U

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CAS NO.	COMPOUND	UNITS:				
	SEMIVOLATILES					
95-94-3	1,2,4,5-Tetrachlorobenzene	ug/l				
58-90-2	2,3,4,6-Tetrachlorophenol	ug/l				
95-95-4	2,4,5-Trichlorophenol	ug/l				
88-06-2	2,4,6-Trichlorophenol	ug/l				
120-83-2	2,4-Dichlorophenol	ug/l				
105-67-9	2,4-Dimethylphenol	ug/l				
51-28-5	2,4-Dinitrophenol	ug/l				
121-14-2	2,4-Dinitrotoluene	ug/l				
606-20-2	2,6-Dinitrotoluene	ug/l				
91-58-7	2-Chloronaphthalene	ug/l				
95-57-8	2-Chlorophenol	ug/l				
91-57-6	2-Methylnaphthalene	ug/l				
95-48-7	2-Methylphenol (O-Cresol)	ug/l				
88-74-4	2-Nitroaniline	ug/l				
88-75-5	2-Nitrophenol	ug/l				
MEPH3MEPH	3- And 4- Methylphenol (Total)	ug/l				
91-94-1	3,3'-Dichlorobenzidine	ug/l				
99-09-2	3-Nitroaniline	ug/l				
534-52-1	4,6-Dinitro-2-Methylphenol	ug/l				
101-55-3	4-Bromophenyl Phenyl Ether	ug/l				
59-50-7	4-Chloro-3-Methylphenol	ug/l				
106-47-8	4-Chloroaniline	ug/l				
7005-72-3	4-Chlorophenyl Phenyl Ether	ug/l				
100-01-6	4-Nitroaniline	ug/l				
100-02-7	4-Nitrophenol	ug/l				
83-32-9	Acenaphthene	ug/l				
208-96-8	Acenaphthylene	ug/l				
98-86-2	Acetophenone	ug/l				
120-12-7	Anthracene	ug/l				
1912-24-9	Atrazine	ug/l				
100-52-7	Benzaldehyde	ug/l				
56-55-3	Benzo(A)Anthracene	ug/l				
50-32-8	Benzo(A)Pyrene	ug/l				
205-99-2	Benzo(B)Fluoranthene	ug/l				
191-24-2	Benzo(G,H,I)Perylene	ug/l				
207-08-9	Benzo(K)Fluoranthene	ug/l				
85-68-7	Benzyl Butyl Phthalate	ug/l				
92-52-4	Biphenyl (Diphenyl)	ug/l				
111-91-1	Bis(2-Chloroethoxy) Methane	ug/l				
111-44-4	Bis(2-Chloroethyl) Ether	ug/l				
108-60-1	Bis(2-Chloroisopropyl) Ether	ug/l				
117-81-7	Bis(2-Ethylhexyl) Phthalate	ug/l				
105-60-2	Caprolactam	ug/l				
86-74-8	Carbazole	ug/l				
218-01-9	Chrysene	ug/l				
53-70-3	Dibenz(A,H)Anthracene	ug/l				
132-64-9	Dibenzofuran	ug/l				
84-66-2	Diethyl Phthalate	ug/l				
131-11-3	Dimethyl Phthalate	ug/l				
84-74-2	Di-N-Butyl Phthalate	ug/l				
117-84-0	Di-N-Octylphthalate	ug/l				
206-44-0	Fluoranthene	ug/l				
86-73-7	Fluorene	ug/l				
118-74-1	Hexachlorobenzene	ug/l				
87-68-3	Hexachlorobutadiene	ug/l				
77-47-4	Hexachlorocyclopentadiene	ug/l				
67-72-1	Hexachloroethane	ug/l				
193-39-5	Indeno(1,2,3-C,D)Pyrene	ug/l				
78-59-1	Isophorone	ug/l				
91-20-3	Naphthalene	ug/l				
98-95-3	Nitrobenzene	ug/l				
621-64-7	N-Nitrosodi-N-Propylamine	ug/l				
86-30-6	N-Nitrosodiphenylamine	ug/l				
87-86-5	Pentachlorophenol	ug/l				
85-01-8	Phenanthrene	ug/l				
108-95-2	Phenol	ug/l				
129-00-0	Pyrene	ug/l				